



中国计量科学研究院
National Institute of Metrology, China



国家标准物质资源库
National Certified Reference Materials Resource Center



标准物质目录

Catalog of Reference Materials

2020年10月

前言

标准物质是具有高度均匀性、良好稳定性和量值准确的测量标准，也是中华人民共和国计量法中依法管理的计量标准，它们具有复现、保存和传递量值的基本作用，对实现测量结果的溯源性，保证测量结果在时间与空间上的连续性与可比性，进而确保测量结果的可靠、有效与国际互认具有关键作用。其应用和支撑作用几乎涉及能源、矿产、环境、农业、制造业、交通运输业、健康、绿色节能、食品安全、国际贸易、国防等所有国家社会和经济发展的重点领域，是在上述领域内开展化学、生物、工程与物理量有效测量所必需的“标尺”与“砝码”。

“国家标准物质资源库”源自于“国家标准物质资源共享平台建设”项目，该项目自 2003 年启动试点建设、2005 年启动全面建设、自“十二五”以来，从建设阶段转入运行和深度挖掘服务阶段，2011 年通过科技部认证为国家科技平台，2019 年依国家科技创新基地优化整合方案更名为“国家标准物质资源库”。2019 年底，资源库软硬件设施得到进一步改善，资源保藏能力进一步扩大，其运行维护由我中心全面负责。

资源库通过窗口网站“国家标准物质资源共享平台（www.ncrm.org.cn）”和同名微信公众号，实现了全部 13000 多种国家标准物质资源的信息共享；实物库集中保藏标准物质资源近 2000 种，涉及环境、化工、钢铁、地质、物化、有色金属、核材料、食品、临床与医药、煤炭、工程技术、建材和高分子材料等 13 个应用领域，实现了信息与实物的动态化同步共享，全面服务于国家经济、社会发展的各个领域，为我国相关领域政府决策、工农业生产中检测和监测质量控制与评价、以及资源的开发利用等提供了十分重要的技术保障。

本目录中所列出的标准物质品种包括了由中国计量科学研究院研制的、目前处于正常发售状态的国家有证标准物质和工作级标准物质，以及根据标准物质需求由平台加盟单位研制的标准物质品种。其中，国家有证标准物质（GBW 系列）由国家市场监管总局批准并发布，工作级标准物质（NIM-RM 系列）为仍处于标准物质研制期，尚未或正在申报国家有证标准物质，但符合标准物质基本技术要求的中国计量科学研究院标准物质。新增品种请及时登陆 www.ncrm.org.cn 进行查询。

有关标准物质的技术服务可通过以下方式进行：

网站：www.ncrm.org.cn（国家标准物质资源共享平台）

邮箱：crm-service@nim.ac.cn

①销售及技术咨询：

电话：010-64524710；

传真：010-64524715、64524716

②售后服务:

电话: 010-64524718

③技术合作与服务投诉:

电话: 010-64525639、64524794、64524795

④技术培训:

电话: 010-64524795

⑤标准物质资源查新服务:

电话: 010-64524793

⑥气体标准物质订购及咨询请与中国计量科学研究院环境计量中心联系:

电话: 010-64221810、84252300; 传真: 010-64229379

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汇款时请注明购标准物质。请认真核对并确认订单。标准物质作为计量标准, 售出后无法退换, 敬请谅解。

中国计量科学研究院
标准物质研究与管理中心

2020 年 10 月

Preface

Reference materials are managed by the government according to the Metrology Law of P.R.China as a kind of metrological standards with high homogeneity, good stability and accurate property values and are key elements in realizing the traceability of measurement results. They are used to ensure the comparability of measurement in different time and spaces, and then achieve the reliability, international equivalence and MRA of measurement results. Now reference materials have been applied in almost all of the important fields in social and economic development such as energy and mineral resources, environment, agriculture, manufacturing, transportation, public health, trade, food safety and national defence. They have become necessary ‘rulers’ for the valid measurement of chemical, biological, physical and engineering properties in these fields.

National Certified Reference Materials Resource Center root in the project of Construction of National Sharing Platform for RM Resources, which was started pilot construction in 2003 and comprehensive construction in 2005. Since the 12th Five Year Plan, it has been shifted from the construction stage to the stage of further expand services, certified by the Ministry of Science and Technology of the P.R.C as a national science and technology platform in 2011, renamed as National Certified Reference Materials Resource Center in 2019 according to the optimization and integration plan of the national science and technology innovation base. By the end of 2019, both software and hardware facilities of the repository have been further improved, the resource preservation capacity has been further expanded and our center is fully responsible for its operation and maintenance.

Through the window website ‘National Standard Material Resources Sharing Platform (www.ncrm.org.cn)’ and same-named official WeChat account, the National Certified Reference Materials Resource Center has realized the information sharing of all 13,000 kinds of national certified reference materials; the storehouse collects nearly 2,000 kinds of national certified reference material resources, involving 13 fields such as environment, chemical industry, steel, geology, physico-chemical, non-ferrous metals, nuclear materials, food, clinical and pharmaceutical, coal, engineering technology, building materials and polymer materials. It realizes the dynamic and synchronous sharing of information and physical objects, fully serves all fields of national economic and social development, provides very important technical support for government

decision-making in related fields, quality control and evaluation of inspection and monitoring in industrial and agricultural production, and development and utilization of resources.

All the national CRMs titled with GBW and GBW(E) approved by SAMR as well as all the working reference materials titled with NIM-RM developed by NIM which are currently available through NIM are listed in this catalog. The working reference materials are used as working or quality control standards before they are approved as national CRMs. Relative inquiry for the newly added varieties can be done in the website: <http://www.ncrm.org.cn>.

Any inquiry, consultation and feedback are welcomed.

Website: www.ncrm.org.cn.

Email: crm-service@nim.ac.cn

①Sales and Technical Consultation:

Tel: 86-10-64524710; Fax: 86-10-64524715、64524716

②After-sales Service: Tel: 86-10-64524718

③Technical Cooperation and Complaints: Tel: 86-10-64525639、64524794、64524795

④Technical Training: Tel: 86-10-64524795

⑤Service of CRMs Novelty Search: Tel: 86-10-64524793

⑥Gas CRMs Sales and Consultation:

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Beijing, 100029, P.R. China

National Institute of Metrology, China
Center for Reference Materials Research and Management

2020.10

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标准物质质量体系介绍

中国计量科学研究院标准物质质量管理体系自 2004 年建立，符合我国现行法律和 ISO17034 等相关国际标准的要求。依据 ISO/IEC17025，符合 ISO 17034 的标准物质生产者提供的有证标准物质的标准值具有计量溯源性，有不同的方式来证明对该标准的符合性。我院主要采取标准物质国际同行评审和取得国际计量委员会相互承认协议(CIPM MRA)下的校准和测量能力作为证明方式，并与中国合格评定国家认可委员会(CNAS)签订了技术合作谅解备忘录。

我院第四轮国际同行评审于 2019 年顺利通过。通过实施国际同行评审，开展国际测量比对，我院标准物质相关国际互认能力综合实力位于国际前列，目前已获互认的测量校准能力（CMC）达到 901 项，数量居全球第一，高纯物质、食品、无机溶液、有机溶液、气体等领域具有较强优势。这些国际互认能力可用于为国内外检测、校准实验室提供高等级量值溯源服务。

所有标准物质都能够提供符合 ISO 指南 31 和我国标准物质管理要求的标准物质证书或定制样品说明书。

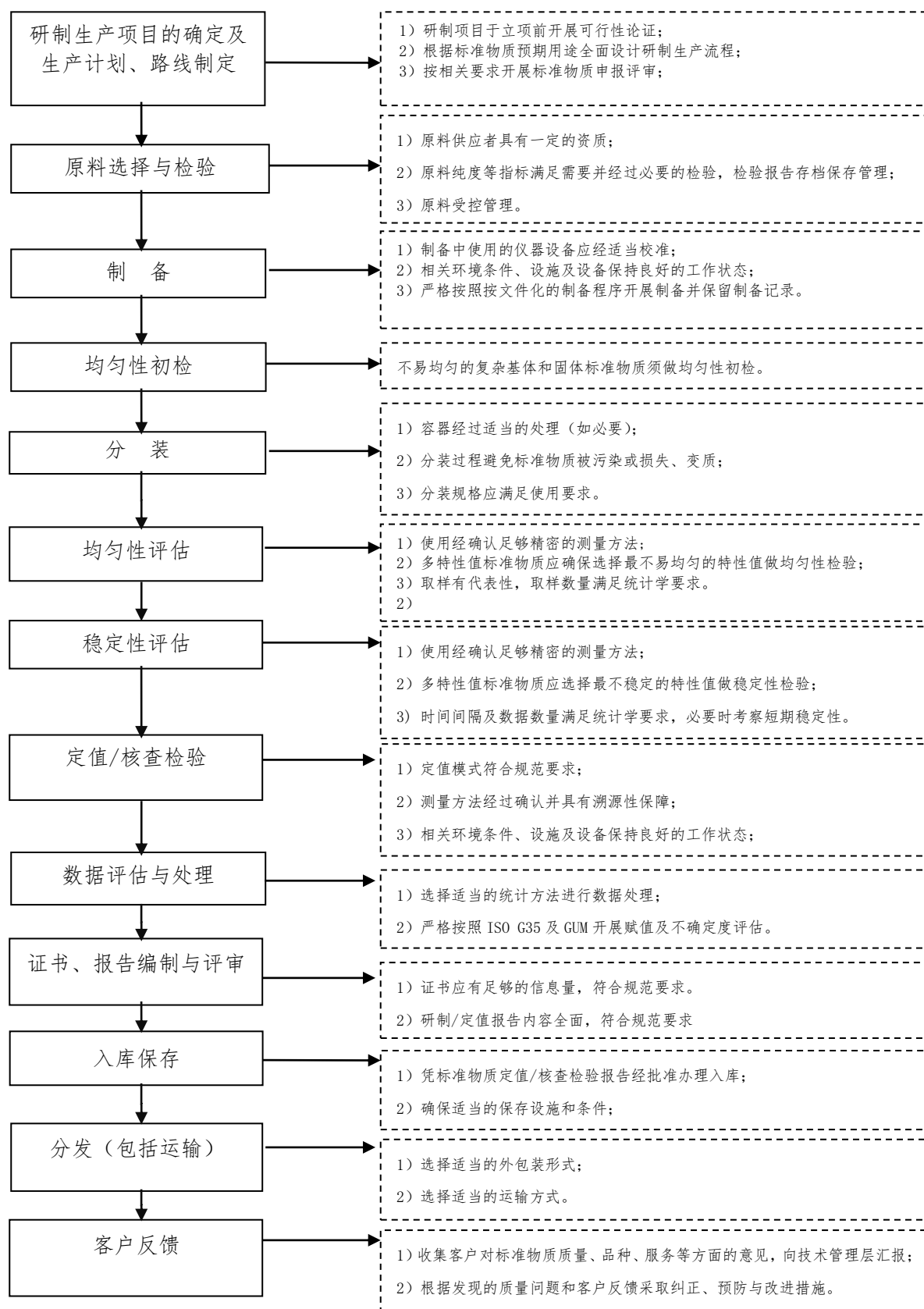


2019 年第四轮标准物质国际同行评审（依据 ISO17034）

标准物质的研制生产按照如图所示流程进行严格的质量控制，并将参加由国际计量局或其它国际机构组织的 CCQM、CCM、ASTM 等国际比对及能力验证作为外部质量控制和取得标准物质国际互认的有效手段。

相关资质证明可由计量科学研究院网站（<http://www.nim.ac.cn>）或国家标准物质资源共享平台网站（<http://www.ncrm.org.cn>）下载。

标准物质生产基本流程质量控制图



注：

CCQM（国际物质的量咨询委员会：化学和生物计量学）成立于 1993 年，其活动工作主要涉及：物质质量基准测量方法、国际比对、建立国家实验室间测量结果的国际等效度以及向国际计量委员会（CIPM）提供有关化学计量方面的建议。

CCM（国际质量及相关量咨询委员会）成立于 1980 年，其活动工作主要涉及：质量、密度、压力等方面的测量和国际比对工作、建立国家实验室间测量结果的国际等效度以及向国际计量委员会（CIPM）提供有关质量及相关量计量方面的建议。

中国计量科学研究院代表国家全面参加 CCQM、CCM 下属无机、有机、气体、生化、表面分析、黏度等工作组组织的各项国际计量比对工作。

Introduction of the Quality System of Reference Materials in NIM

The Quality System of Reference Materials in NIM was established in 2004, which meets the requirements of current laws in China and relevant international standards such as ISO17034. According to ISO/IEC17025, the value of certified reference materials provided by producers that conforming to ISO 17034 has metrological traceability, and there are different ways to prove compliance with this standard.

Our Institute mainly adopts the international peer review of reference materials and obtains the approval for calibration and measurement capabilities under the International Committee of Weights and Measures Recognition Arrangement (CIPM MRA), and has signed a memorandum of understanding on technical cooperation with China National Accreditation Service for Conformity Assessment (CNAS).

NIM successfully passed the fourth round of international peer review in 2019. Through the

implementation of international peer review and international measurement comparison, NIM's comprehensive strength of international mutual recognition of reference materials ranks among the top in the world. At present, the number of calibration and measurement capabilities (CMCs) that have been mutually recognized has reached 901, ranking first in the world, and the fields of high-purity materials, food, inorganic solutions, organic solutions and gases have strong advantages. These CMCs can be used to provide high-level value traceability services for testing and calibration laboratories at home and abroad.

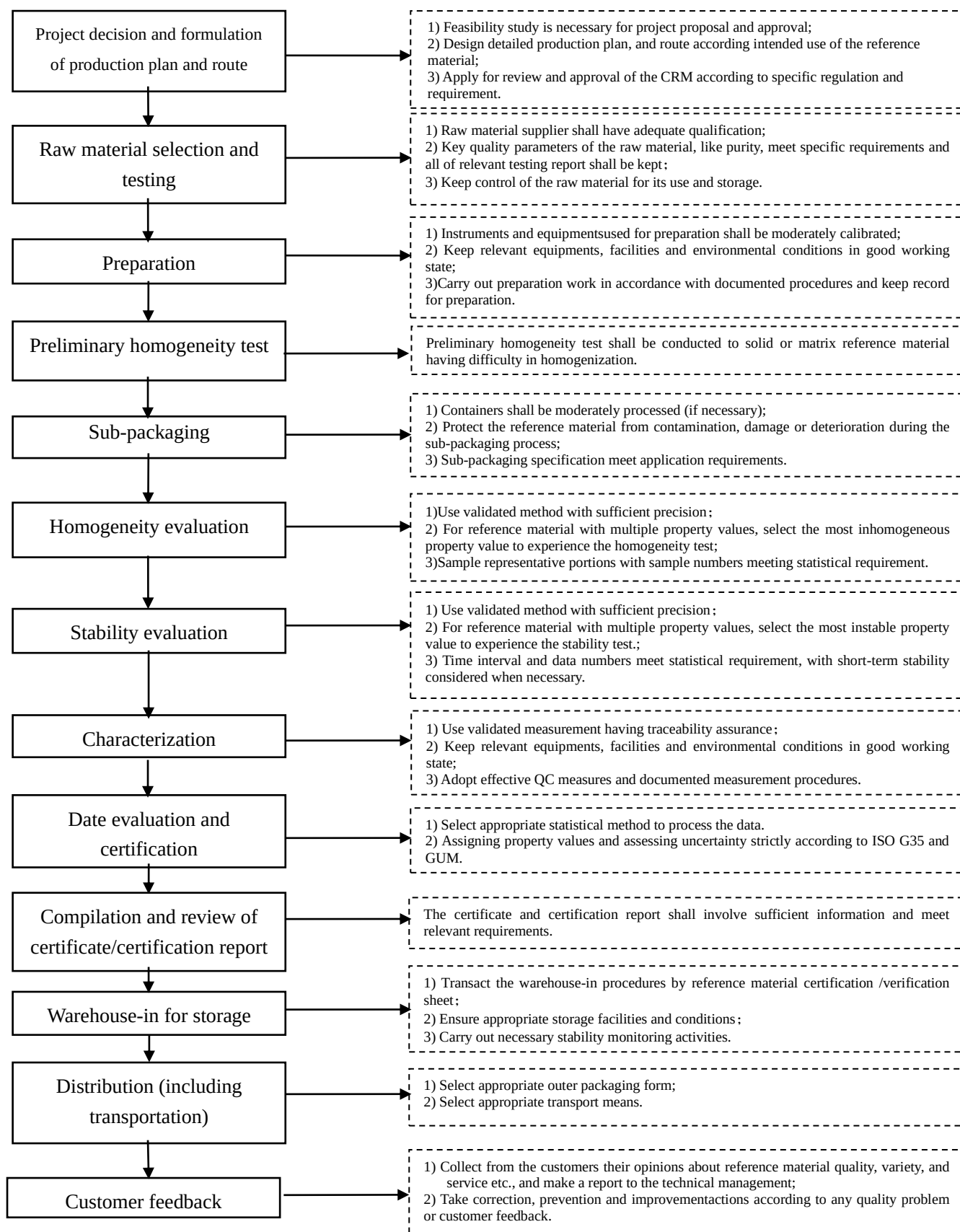
All certified reference materials can provide reference material certificates or customized sample instructions that meet the requirements of ISO Guide 31 and China's certified reference materials management.

The production process is generally shown in the flowchart below and strictly controlled.

To promote the internationally recognition of Country Calibration and Measurement Capabilities (CMCs) and fulfill effective external quality control, NIM also participates in necessary international comparisons and proficiency testing organized by BIPM, CCQM, CCM, ASTM and CNAL, etc.

All of the qualifications can be found in the website of <http://www.nim.ac.cn> and <http://www.ncrm.org.cn>

Reference Material Production Process for QC



Note:

The CCQM (Consultative Committee for Amount of Substance: Metrology in Chemistry and

Biology) was set up in 1993. Its name was modified slightly by the CIPM in 2001; previously it was called the Consultative Committee for Amount of Substance. Present activities of CCQM concern primary methods for measuring amount of substance, and international comparisons, establishment of international equivalence between national laboratories, and advice to the CIPM on matters concerned with metrology in chemistry.

The CCM (Consultative Committee for Mass and Related Quantities) was set up in 1980. Present activities concern matters related to the comparisons of mass standards with the international prototype of the kilogram, considerations affecting the definition of the unit of mass, also density, pressure and force standards, and advice to the CIPM on these matters.

标准物质溯源性政策

中国计量科学研究院致力于具有计量学溯源性的基准、高准确度测量方法以及先进标准物质制备技术的开发与应用，并采取以下基本方式对所研制标准物质的特性量值进行溯源：

a) 采用库仑法、重量法、同位素稀释法、凝固点下降法、燃烧热等基准或潜在基准方法定值，特性量值溯源至 SI 单位，我院目前建有国家化学试剂测量基准（库仑法）、国家燃烧热测量基准及国家湿度测量基准，所有方法都尽可能通过国际计量比对等权威比对确认测量的国际等效度。

b) 通过国际公认并准确定义的参考测量方法实现某一特定单位的复现，并使标准物质的特性量值溯源至严格按照该参考测量方法或根据该参考测量方法制定出的标准程序所得到的结果上，我所采用该方式实现传统标度如 pH、电导、粘度特性量的溯源，并建立了国家酸度测量基准、国家溶液电导率测量基准、国家粘度测量基准，通过国际比对确认了定值测量的国际等效度；

c) 溯源至其它国际或国内公认的测量标准，一般为有证标准物质。如，在使用其它有证标准物质对测量仪器进行校准的基础上对特性量值进行测量，从而建立起该特性量值对其它有证标准物质的溯源性，在这种情况下，所使用的有证标准物质应能够提供有关其溯源性的信息；

d) 对于基体标准物质，在按照方式 c)，通过仪器校准的方式进行量值溯源外，为避免样品状态转换及测量基体效应对量值溯源链连续性的影响，一般采用多个实验室或多种不同原理方法（包括前处理方法）的模式进行定值，并通过测量其它类似基体及特性量浓度范围的标准物质、使用已知准确可靠的参考方法进行验证或比对测量等方式对测量方法进行确认。

e) 对用于标准物质生产的纯品标准物质或原料，如缺乏可靠的外部溯源性证据，则在进行必要的定性确证后，通过定量核磁、凝固点下降、HPLC/GC、DSC、MS、卡尔费休水分滴定、热重分析等可能的主成分或杂质测定手段开展纯度分析。

f) 为了实现定值结果的溯源性，对与测量结果有关的影响量进行控制，包括对所使用的设备如天平、容量器皿等进行校准或检定，并运行一定的期间核查程序；对定值中所使用试剂的纯度、测量中可能导致污染、损失的条件等进行严加控制等。

g) 通过开展严格的标准物质均匀性、稳定性检验来确保每一单元标准物质的量值溯源性。

Traceability Policy of Reference Materials

NIM is endeavored to develop primary or high accurate measurement methods and advanced RM preparation techniques having reliable metrological traceability which is realized through:

a) Property values are made traceable to SI units through the primary methods or potential primary method, such as coulometry, gravimetry, isotope dilution with mass spectrometry (IDMS), and freezing point depression method. The Chemical Metrology & Analytical Science Division of NIM has also set up and maintains several national primary standards such as the national primary standard for chemical purity (coulometry), combustion heat and humidity, etc. The comparability and equivalence of measurement method is confirmed by international comparisons if possible.

b) For RMs forming an accurate realization of a unit defined by reference method, their properties can be made traceable to a result obtained by strictly following reference method and/or a standard operating procedure developed on the basis of the reference method. The traceability of the property values like pH, electrolytic conductivity and viscosity are realized by this means. NIM has set up and maintains the national primary standards for pH, electrolytic conductivity of solution and viscosity. The comparability and equivalence of measurement is confirmed by international comparisons if possible.

c) The property values can also be traceable to other international or national agreed measurement standards, such as CRMs. In this case, the traceability information of the CRMs used should be clear;

d) For matrix reference materials, the determination of the property value can be made

traceable through calibration (approach c). In order to avoid some effects on the establishment of traceability chains due to transformation of the sample from one state to another or matrix interference, etc, the mode that a network of laboratories using one or more methods with demonstrable accuracy is often used. And the method validation can be done through measurement of other similar matrix reference materials, using known reliable reference methods or interlaboratory comparisons.

e) For purity reference materials or purity materials used for the production of RMs without reliable external traceability evidence, after necessary identification to ensure the measurand is the same as the one for which the value is assigned, the purity should be measured or confirmed through possible purity or impurity measurements, includingqNMR, freezing point depression, DSC, HPLC, GC, MS, Karl Fischer titration, thermogravimetry analysis, and so on.

f) In order to realize the traceability of the results, any factor involved in the measurement should be well controlled. These include: 1) the calibration, verification and periodical check of equipments used, such as balance, should be performed successfully; 2) the purity of the reagent and the conditions may cause contaminations and losses should be strictly controlled, etc.

g) The traceability of the property values of each unit is also ensured by strict homogeneity and stability testing for each kind of reference material.



Field Lab.	现场实验室
Reference Lab.	参考实验室
National Metrology Lab.	国家计量实验室
Traceability	溯源性
SI	国际单位制
Comparability	可比性
PRM	基准物质
CRM	有证标准物质
RM	标准物质

国家标准化组织/标准物质委员会（ISO/REMCO）
化学测量量值溯源图

标准物质使用中常见问题解答

1.有证书（certificate）的标准物质就是有证标准物质（CRM）吗？

回答这个问题，首先要理解“有证标准物质（certified reference material）”的含义。有证标准物质是指“附有由权威机构发布的文件，提供使用有效程序获得的具有不确定度和溯源性的一个或多个特性值的标准物质^[1]”。因此，有证书的标准物质不一定就是有证标准物质。有证标准物质应具有以下基本特征：

（1）溯源性和不确定度声明；

（2）标准物质的制备、定值及认定符合由ISO指南34和指南35给出的有效程序，我国已将上述指南等效转化为JJF1342《标准物质研制（生产）机构通用要求》和JJF1343《标准物质定值的通用原则及统计学原理》，成为国家标准物质的评审、发布的技术依据。

2.选择、购买和验收标准物质时应考虑哪些要素？

用户在选择、购买标准物质时，应考虑以下要素：

（1）特性量的种类及定值方法：某些标准物质可能只适用某一特定方法或专属领域的应用，某些标准物质的值有特殊规定，如含结晶水的值，应对证书中该类说明加以注意，防止误选误用。

（2）特性量水平：标准物质的特性量水平应与日常测量样品的水平匹配。

（3）可接受的不确定度水平：标准物质特性量的相关不确定度水平应与日常测量中的精密度和正确度限度要求匹配。

（4）基体及可能的干扰：标准物质用于开展方法确认、质量控制以及一些基体效应较为严重的测量方法的校准时，基体应与日常测量样品基体尽可能接近。

（5）形式：标准物质可制备成不同的形式，如冻干与冰冻样品，制备方式的不同可能会导致相同特性在标准物质与真实样品中的行为差异，从而产生互换性问题，选购前应充分调研。

（6）最小取样量：只要标准物质证书中规定了最小取样量，用于测量的取样量应不小于该最小取样量，因此选购时应考虑最小取样量是否能满足测量方法要求。

（7）用量：标准物质的购买用量应足以满足整个实验计划中的应用，包括根据需要考虑的备样。

（8）稳定性：选购前应确认所购买批次标准物质的有效期限，避免使用时发生过期的情况。

对于购买到的标准物质，在收到后应首先对照证书确认标准物质的运输条件符合要求，然后核对品种、数量等是否与购买要求一致；包装、外观是否正常，标识是否清晰、完整；有无证书；是否在证书声明的有效期内等，核对完毕后，立即按照证书中规定的保存条件进行保存。如有问题，应及时与研制或发售单位联系。

3.有证标准物质和其它标准物质在使用上有什么区别？

首先应明确，只有有证标准物质提供的认定值或标准值才能够用于校准、为其他物质赋值以及测量正确度确认，并通过其使用来声明测量结果的计量学溯源性。

在我们的日常测量中，还会使用其它类型的标准物质，它们主要用于开展测量质量控制、测量精密度确认等。有时，在缺少有证标准物质的情况，也不得不使用这些标准物质来开展校准等活动，但是应进一步评估这些标准物质是否符合有证标准物质的特征，或溯源性和量值不确定度水平能够充分满足测量结果溯源性和准确度要求。

4.有证标准物质的参考值或信息值怎么用？

有证标准物质的证书中，有时会提供一些额外的参考值或信息值，这些值通常缺少明确的计量学溯源性，缺少不确定度信息或不确定度评估不全面，因此它们的主要用途是帮助用户了解标准物质基体组成，判断标准物质的适用性，或视可靠程度用于开展测量质量控制。

5.标准物质一定要在有效期内使用吗？

标准物质的有效期是研制单位根据稳定性研究数据，为了确保标准物质质量值及不确定度的可靠性而确定的，因此，务必在有效期内使用。到期后未使用的标准物质也许仍旧稳定，对于一些批量较大、稳定性周期较长（如五年）的标准物质，研制单位有时会提供延长有效期的服务，但是在标准物质的稳定性无法得到研制单位保证的情况下，用户如果继续使用该标准物质，需自行承担责任。

6.标准物质的最小取样量有什么意义？

标准物质的最小取样量是在均匀性研究中规定的。使用标准物质时的实际取样量应不低于标准物质的最小取样量，当小于标准物质的最小取样量使用时，证书中声明的标准物质特性量值和不确定度等参数可能会由于标准物质的不均匀性而不再有效。

7.标准物质的测量值一定要在不确定度之内吗？

如果实验室对标准物质的测量值超出了标准物质特性量值的不确定度范围，是不能直接得出测量结果存在偏差的结论的，原因是标准物质的不确定度 $U_{\text{标准物质}}$ 仅包括了与标准物质定值、均匀性、稳定性有关的不确定度，没有涉及用户在实验室里对标准物质进行测量有关的随机不确定度 $U_{\text{测}}$ 。因此，应采取以下通用公式判断标准物质测量值与标准值之间存在显著偏差：

$$|\omega_{\text{测}} - \omega_{\text{标准值}}| > \sqrt{U_{\text{测}}^2 + U_{\text{标准物质}}^2}$$

简化公式：

$$|\omega_{\text{测}} - \omega_{\text{标准值}}| > \sqrt{U_{\text{标准物质}}^2 + (t \frac{s}{\sqrt{n}})^2}$$

s 代表标准偏差， n 代表重复次数， t 值可根据 n 和置信概率水平查 $t_{\alpha}(v)$ 数值表得到。

此外，要注意在测量条件达到稳定后使用标准物质，否则会导致错误的结论。

8.为什么一定要按照证书中规定的条件使用和保存标准物质？

标准物质证书中规定的使用和保存条件是确保的必要条件。标准物质的保存条件是在稳定性研究中确定的，而标准物质的使用条件，如温度、配制方法、干燥方法、水分校正方法、混匀方法等，则是标准物质定值过程严格确定和遵守的，不按照规定使用和保存会导致标准物质的量值不再有效，测量结果与标准值相比较出现偏差。

9.校准用标准物质的稀释和使用过程中应注意什么问题？

用户购买到的校准用标准物质常常浓度较高，不能直接使用，应做好这些过程的质量控制。标准物质稀释配制过程中所使用的容器与稀释剂需要引起注意。有些物质用玻璃瓶存储时，容易受降解或溶出影响，这时就要使用其它材料的瓶子，如 K、Na 等元素溶液标准物质，需采用塑料瓶保存；有些物质用塑料瓶存储则会发生吸附或溶出，如汞，在塑料瓶中可能会产生吸附现象，因此选择玻璃瓶较为可靠。所采用的稀释剂除了应对空白进行必要的控制外，不同的稀释剂其稳定效果也不同，原则上应按照检测标准方法中规定的稀释剂品种及浓度进行配制。标准物质称量、稀释过程中使用的计量器具，如天平、移液器、容量瓶等，应经适当的校准或检定确认符合精度和准确度要求，特别是有机分析中使用的微量注射器和移液枪的误差较大，应注重进行日常校准。

10.称量标准物质时如何进行浮力校正？

在一些需要准确称量标准物质的场合，如证书中特别声明了需采用浮力校正公式来计算样品的质量，可采用下式：

$$m = w + 0.0012 \times \left(\frac{w}{d_1} - \frac{w}{d} \right)$$

m — 样品在真空中的质量，g；

0.0012 — 浮力修正系数；

w — 称量质量，g；

d_1 — 样品密度；

d — 砝码密度，不锈钢砝码密度可按 7.85g/cm^3 计算。

以水溶液标准物质为例，浮力校正的影响约为千分之一，因此，是否校正取决于对测量准确度的要求。

11. 打开后的标准物质如何保存和开展量值核验？

标准物质证书中有时会规定“一次性使用”，这些标准物质一般不稳定或具有较高的量值准确度，如安瓿瓶分装的国家一级溶液标准物质，在打开包装后量值易发生超出不确定度范围的变化，应按要求尽快移取，不能留存后反复使用。可一次性制备成中间标准储备溶液保存、使用。

对于可多次使用的有证标准物质，确保标准物质包装单元开封后的恰当保存和包装、证书的完整性非常重要，某些情况下，有必要根据证书要求，对剩余的物质进行重新密封包装。取样时应采取防止沾污的措施。

如何在使用环节做好标准物质的量值控制常常是用户困惑的问题。标准物质的量值控制应分以下情况制定具体的措施：（1）对于有证标准物质，只要按照标准物质证书上所规定的条件和方法保存，并在有效期内使用，量值是有保障的，这类标准物质的核查可简化为检查包装、标签及证书的完好性、有效期、保存条件等；如果是开封后可多次使用的有证标准物质，除了上述核查外，实验室应制定相应的文件规范其后续使用和管理，定期检查其使用的情况，必要时与另一未开封单元或批次的标准物质通过比对进行量值核验；（2）对于内部标准物质或实验室由有证标准物质制备的校准溶液等，由于没有充分的均匀性和稳定性数据，严格的量值控制是非常必要的，可采取的方式视实验室的经济和技术条件灵活掌握，如利用质量控制图进行趋势检查、通过上下批标准物质质量值比对或实验室间比对验证量值的准确性等。此外核查的频次要根据标准物质的特点制定，稳定性预期良好的标准物质可相对放宽核查的时间间隔。

中国计量科学研究院
标准物质研究与管理中心

国家标准物质资源库 www.ncrm.org.cn 网上订购指南

1. 免费注册（平台首页最上方）



2. 选购标物

从导航栏菜单“网上订购”的下拉菜单中选择“标物选购”进入，也可以点击平台首页右侧的“标物订购”按钮进入。



3. 选择标物，放入购物车（如果只买一种标物可直接点击标物的“立即购买”）

进入“网上订购”页面，按左侧应用领域中选择或通过标准物质编号或名称搜索您所需要的标物，然后点击“加入购物车”按钮。



4. 生成订单

进入“我的购物车”页面，按+、-号选择标物的数量，点击左侧的复选框确认好后，点击下方的“生成订单”按钮。



5. 提交订单

分别选择收货人信息和发票信息，填写好后保存，确认没有问题后点击下方的“提交订单”按钮。

国家科技基础条件平台

NSTI

CNRM
权威 专业 准确

国家标准物质资源共享平台
主办单位：国家市场监督管理总局 中国计量科学研究院
订购热线：010-64524710

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首页

个人中心

购物车

填写订单

网上订购采取“款到发货”的形式。因此在您的订单得到受理之后，请及时向以下帐户汇款。

账户名称：中国计量科学研究院
银行账号：110060224018010008693
开户银行：交通银行北京和平里支行

为便于快速查找您的来款情况，缩短您的等待时间，请您在汇款时务必详细注明汇款用途：标准物质。

1.收到标的物后，请立即核对标的物品种、数量、证书、发票，如有问题请在5个工作日内与我方联系。
2.标准物质作为计量标准，售出后不退不换，请您谅解。
3.北京地区不邮寄。
4.订单30天之内不付款，将自动取消。

填写并核对订单信息

收货人信息 修改

刘[]
广东省东莞市广东省东莞市广东省东莞市 []

发票信息 修改

普通发票
东莞 [] 设备有限公司

编号	名称	状态	规格	量值	有效期	单价(元)	数量	金额(元)
GBW(E)082064	异辛烷中偶氮... 偶氮苯：10.0ng/uL U=3...	在售	1mL/瓶		2019-08-08	70.00	2	140.00
GBW(E)082085	化学需氧量 (...) 100mg/L	在售	20mL/瓶		2019-06-01	50.00	2	100.00
GBW09220	17α-羟孕酮纯... 99.3% U=0.2% (k=2)	在售	100mg		2017-12-31	500.00	5	2500.00
GBW09221	氢化可的松纯... 99.2% U=0.2% (k=2)	在售	100mg		2017-12-31	500.00	1	500.00

留言:

运费: 30.00

共有 1 种运输方式，将产生 1 个订单。

普通运输 运费：30.00

运费总计：30.00

寄送至：广东省东莞市广东省东莞市广 []
收货人：刘 []
电话：13829 []

应付款: 3270.00

提交订单

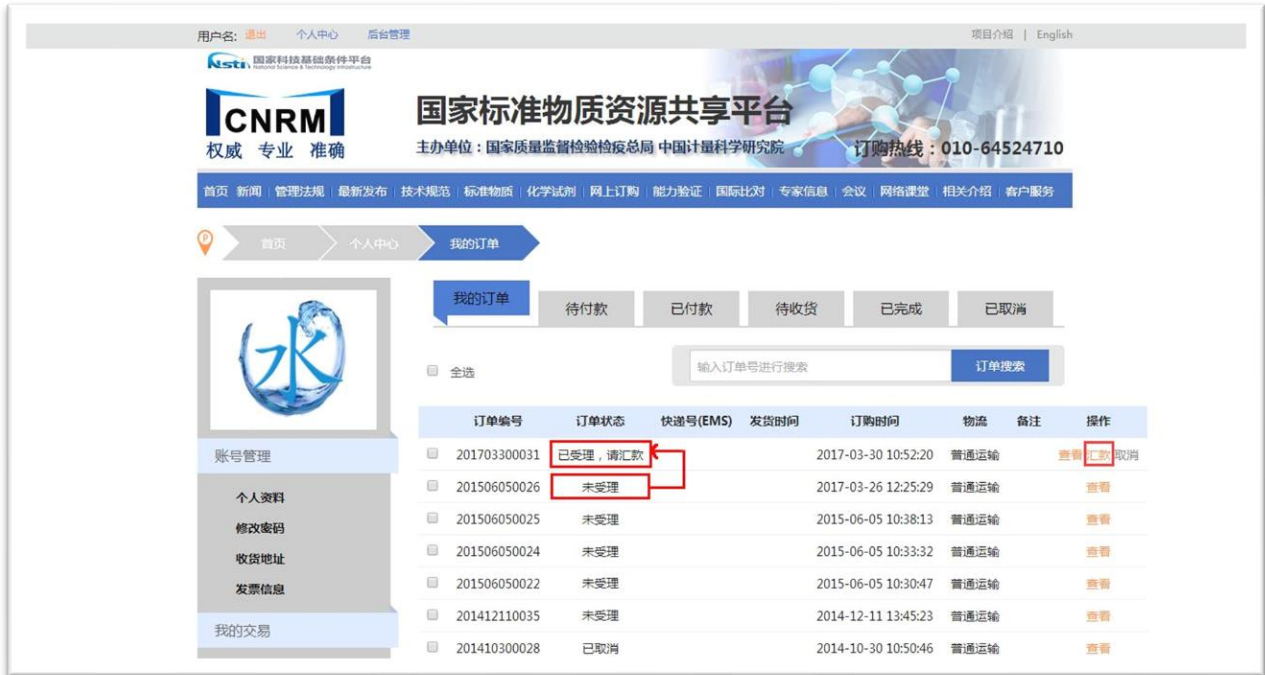
返回修改

6. 订单受理

正常的工作时间为：周一至周五上午：8:00—12:00 下午：1:30—5:00

如果您的订单在工作时间内提交，一般会在一天之内受理，遇到休息日将顺延。

在您的订单受理后，从首页“个人中心”中“我的订单”处，可以看到订单的状态变为“已受理，请汇款”。



7. 汇款并在线填写汇款信息

网上订购采取“款到发货”的形式。因此在您的订单得到受理之后，请及时向以下帐户汇款。

- 账户名称：中国计量科学研究院
- 银行账号：110060224018010008693
- 开户银行：交通银行北京分行和平里支行

为便于快速查找您的来款情况，缩短您的等待时间，请您在汇款时务必详细注明汇款用途：标准物质。

在线填写汇款信息的目的是便于财务人员查询汇款情况。

CNRM 国家标准物质资源共享平台
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主办单位：国家质量监督检验检疫总局 中国计量科学研究院 订购热线：010-64524710

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我的订单 填写汇款信息

网上订购采取“货到付款”的形式。因此在您的订单得到受理之后，请及时向以下帐户汇款。
 帐户名称：中国计量科学研究院
 银行账号：110060224018010008693
 开户银行：交通银行北京和平里支行
 为便于快速查找您的来款情况，缩短您的等待时间，请您在汇款时务必详细注明汇款用途：标准物质。

* 汇出银行：
 * 汇出金额：
 * 汇出账户名称：
 * 汇出账号：
 * 汇出时间：

提交 取消

8. 用户查看填写汇款信息

用户填写完汇款信息后，可以在“我的订单”中查看订单状态

用户名: 110060224018010008693 个人中心 信息管理 我的订单

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主办单位：国家质量监督检验检疫总局 中国计量科学研究院 订购热线：010-64524710

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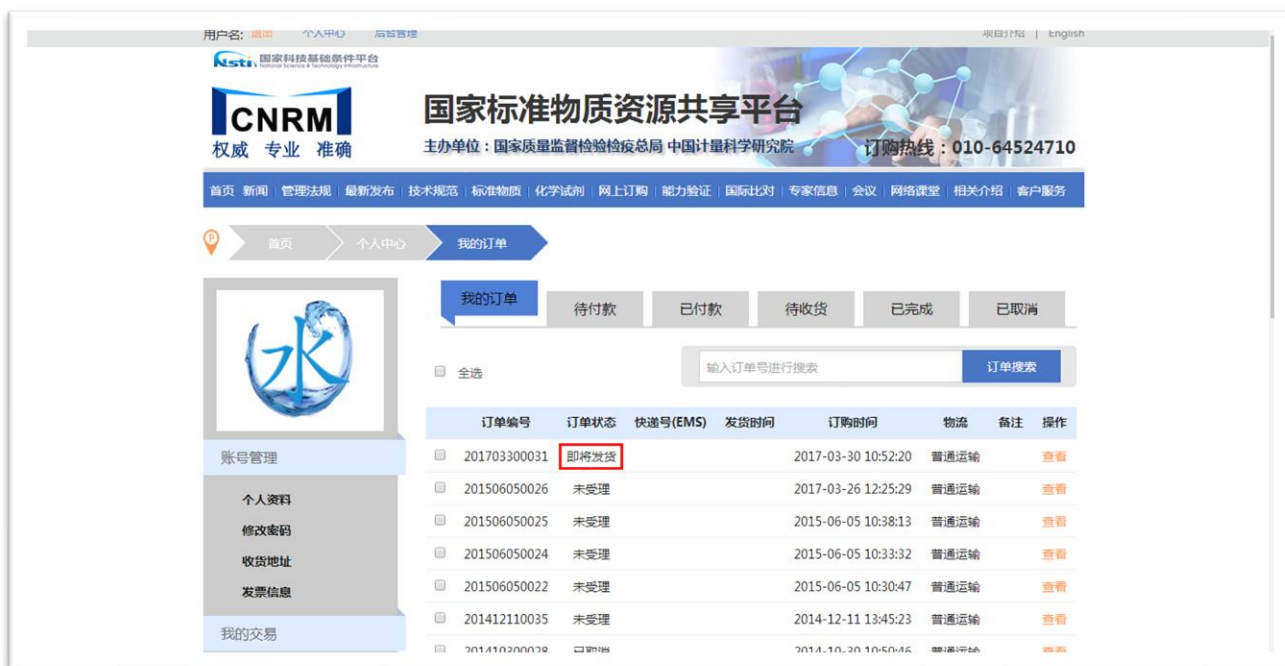
我的订单 待付款 已付款 待收货 已完成 已取消

输入订单号进行搜索 订单搜索

订单编号	订单状态	快递号(EMS)	发货时间	订购时间	物流	备注	操作
201703300031	汇款确认中			2017-03-30 10:52:20	普通运输		查看 修改汇款 查看汇款
201506050026	未受理			2017-03-26 12:25:29	普通运输		查看
201506050025	未受理			2015-06-05 10:38:13	普通运输		查看
201506050024	未受理			2015-06-05 10:33:32	普通运输		查看
201506050022	未受理			2015-06-05 10:30:47	普通运输		查看
201412110035	未受理			2014-12-11 13:45:23	普通运输		查看
20141102000738	已支付			2014-11-20 10:50:46	普通运输		查看

9. 收到到款确认信息

在财务人员查询到相关汇款后，将会发送一个信息，您从网上“我的订单”中可以查看。



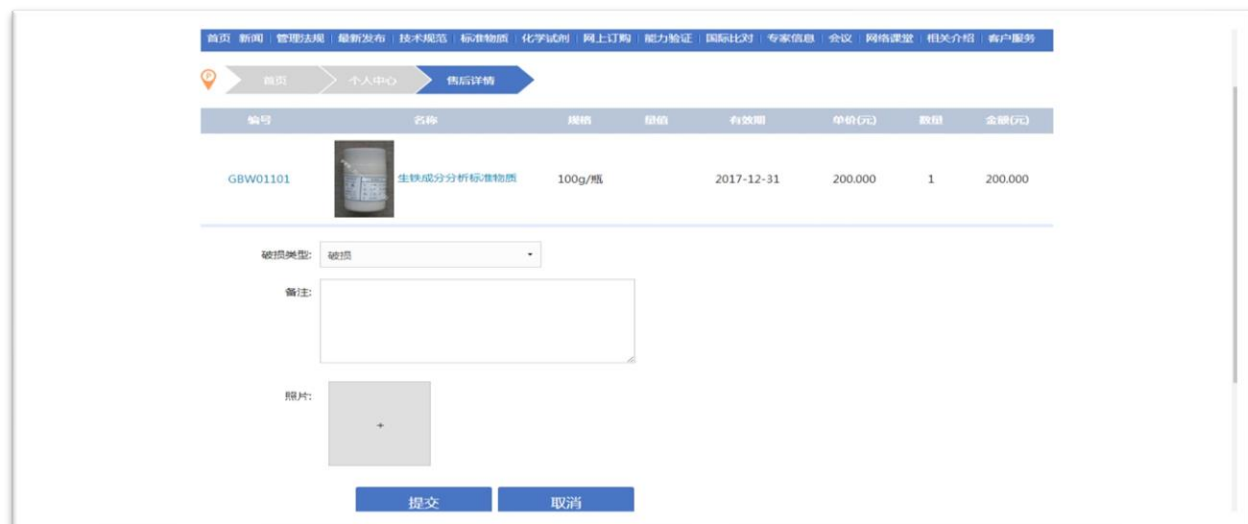
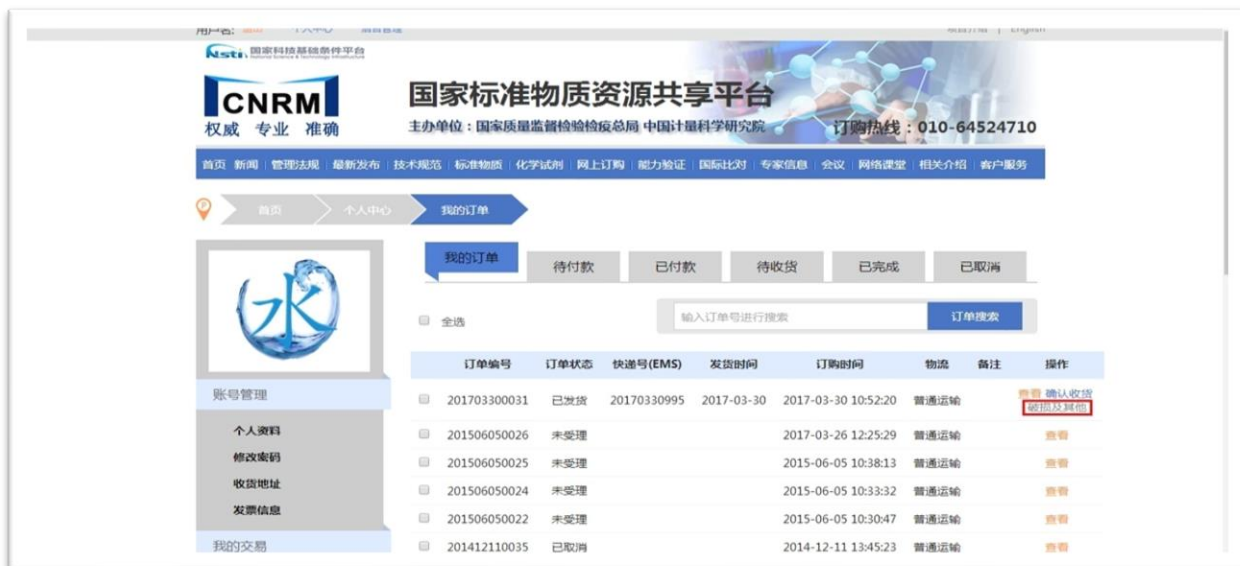
10. 收到用户汇款发货

收到用户汇款后, 进行发货, 用户可以在“我的订单”中查看订单状态、EMS 快递号、发货时间。



11. 收到货后有破损现象

当您收到标物后, 如有标物破损情况, 可与我们客服联系或是点击“我的订单”中破损按钮进行填写详细的破损信息, 以便我们第一时间为您处理。



售后结果查询



1.钢铁/Ferrous Metals

碳素钢与碳素结构钢

Carbon Steel and Carbon Structural Steel

低合金钢

Low Alloy Steel

高合金钢及不锈钢

High Alloy and Stainless Steel

合金工具钢与模具钢

Tool Steel and Die Steel

合金结构钢

Structural Alloy Steel

高温合金

Heat Resisting Alloy

铁合金

Ferro-Alloy

铸铁及生铁

Cast Iron

纯铁

Pure Iron

炉渣

Slag

其它

Others

注：1.方括号中的特性量提供不带不确定的参考值。

Properties in square brackets provide reference values without uncertainties

2.编号前红星表示本期目录中新增品种

The CRMs with the number begin with “★”are new released products in the catalog.

碳素钢与碳素结构钢/Carbon Steel and Carbon Structural Steel				
编号 /Number	中文名称	Name	规格/Units	特性量/Properties
GBW01210a	碳素结构钢成分分析标准物质	Carbon structural steel	150g	C, Si, Mn, P, S, Cu, Ni, Cr
低合金钢/Low Alloy Steel				
编号 /Number	中文名称	Name	规格/Units	特性量/Properties
GBW01309	低合金钢成分分析标准物质	Low alloy steel	150g	C, Si, Mn, P, S, Cr, Ni, Cu, V, Ti, Mo, Al(s), B(s)
GBW01334	低合金钢成分分析标准物质	Low alloy steel	150g	C, Si, Mn, P, S, Cu, Cr, Mo, Ni, Al(s), V, Co
GBW01336	低合金钢成分分析标准物质	Low alloy steel	100g	C, Si, Mn, P, S, Cu, W, Sn, Ni, Al(s), Co, Mo
GBW01337	低合金钢成分分析标准物质	Low alloy steel	100g	C, Si, Mn, P, S, Cu, W, Sn
GBW01338	低合金钢成分分析标准物质	Low alloy steel	100g	C, Si, Mn, P, S, Cu, W, Sn
GBW01339	低合金钢成分分析标准物质	Low alloy steel	100g	C, Si, Mn, P, S, Cu, W, Sn
GBW01340	低合金钢成分分析标准物质	Low alloy steel	100g	C, Si, Mn, P, S, Cu, W, Sn
GBW01344	低合金钢成分分析标准物质	Low alloy steel	100g	C, Si, Mn, P, S, Cu, Cr, Ni
GBW01345	低合金钢成分分析标准物质	Low alloy steel	100g	C, Si, Mn, P, S, Cu, Cr, Ni
高合金钢及不锈钢/High Alloy and Stainless Steel				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW01625	高合金钢成分分析标准物质	High alloy steel	100g	C, Si, Mn, S, P, Cr, Ni, Cu
合金工具钢与模具钢/Tool Steel and Die Steel				
编号 /Number	中文名称	Name	规格/Units	特性量/Properties
GBW01318a	合金工具钢成分分析标准物质	Tool steel	150g	C, Si, Mn, P, S, Cr, Ni, W, Cu
GBW01319a	合金工具钢成分分析标准物质	Tool steel	150g	C, Si, Mn, P, S, Cr, Ni, W
GBW01392	热作模具钢成分分析标准物质	Hot-working die steel	100g	C, Si, Mn, P, S, Ni, Cr, Cu, Mo, V, Cu, Al(s), Al(is), Al(t), Co, Ti, [W], [As]
合金结构钢/Structural Alloy Steel				
编号 /Number	中文名称	Name	规格/Units	特性量/Properties

GBW01352	合金结构钢成份分析标准物质	Structural alloy steel	100g	C, Mn, Si, S, P, Ni, Cr, W, Mo, Al, Cu
GBW01352a	合金结构钢成分分析标准物质	Structural alloy steel	150g	C, Mn, Si, S, P, Ni, Cr, W, Mo, Al, Cu
GBW01354	合金结构钢成分分析标准物质	Structural alloy steel	150g	C, Mn, Si, S, P, Ni, Cr, W, Mo, Cu, Ti
GBW01356a	合金结构钢成分分析标准物质	Structural alloy steel	150g	C, Si, Mn, P, S, Cr, Mo, Cu
GBW01357	合金结构钢成分分析标准物质	Structural alloy steel	100g	C, S, P, Mn, Si, Ni, Cr, Cu, Mo, V
GBW01358	合金结构钢成分分析标准物质	Structural alloy steel	100g	C, S, P, Mn, Si, Ni, Cr, Cu, Mo, V
GBW01360	合金结构钢成分分析标准物质	Structural alloy steel	100g	C, S, P, Si, Mn, Cr, Mo, V, Sn, As, Pb, Sb, Bi, Ni
GBW01361	合金结构钢成分分析标准物质	Structural alloy steel	100g	C, S, P, Si, Mn, Cr, Mo, V, Sn, As, Pb, Sb, Bi, Ni
GBW01651	合金结构钢成分分析标准物质	10MnNb RE steel	150g	C, S, P, Si, Mn, Cr, Ni, Cu, Nb, Re, Al(s), N
GBW01652	合金结构钢成分分析标准物质	10MnNb RE steel	150g	C, S, P, Si, Mn, Cr, Ni, Cu, Nb, Re, Al(s), N
GBW01653	合金结构钢成分分析标准物质	10MnNb RE steel	150g	C, S, P, Si, Mn, Cr, Ni, Cu, Nb, Re, Al(s)
GBW01654	合金结构钢成分分析标准物质	Structural alloy steel	100g	C, P, S, Mn, Si, Cr, Ni, V, W, Ti, Al, Cu, Mo, Co

高温合金/Heat Resisting Alloy

编号 /Number	中文名称	Name	规格/Units	特性量/Properties
GBW01619	铁镍基高温合金痕量元素成分分析标准物质	Iron and nickel base high temperature alloy	150g	Ag, As, Bi, Ca, Cd, Ga, In, Mg, Pb, Sb, Se, Sn, Te, Tl, Zn
GBW01620	铁镍基高温合金痕量元素成分分析标准物质	Iron and nickel base high temperature alloy	150g	Ag, As, Bi, Ca, Cd, Ga, In, Mg, Pb, Sb, Se, Sn, Te, Tl, Zn
GBW01621	铁镍基高温合金痕量元素成分分析标准物质	Iron and nickel base high temperature alloy	150g	Ag, As, Bi, Ca, Cd, Ga, In, Mg, Pb, Sb, Se, Sn, Te, Tl, Zn
GBW01622	铁镍基高温合金痕量元素成分分析标准物质	Iron and nickel base high temperature alloy	150g	Ag, As, Bi, Ca, Cd, Ga, In, Mg, Pb, Sb, Se, Sn, Te, Tl, Zn
GBW01623	铁镍基高温合金痕量元素成分分析标准物质	Iron and nickel base high temperature alloy	150g	Ag, As, Bi, Ca, Cd, Ga, In, Mg, Pb, Sb, Se, Sn, Te, Tl, Zn
GBW01631	铁镍基铸造高温合金杂质成分分析标准物质	Cast iron-nickel base supernalloy for trace elements	50g	As, Sb, Pb, Sn, Bi, Ag, Te, Tl, Se
GBW01632	铁镍基铸造高温合金杂质成分分析标准物质	Cast iron-nickel base supernalloy for trace elements	50g	As, Sb, Pb, Sn, Bi, Ag, Te, Tl, Se

GBW01633	铁镍基铸造高温合金杂质成分分析标准物质	Cast iron-nickel base superalloy for trace elements	50g	As, Sb, Pb, Sn, Bi, Ag, Te, Tl, Se
GBW01634	铁镍基铸造高温合金杂质成分分析标准物质	Cast iron-nickel base superalloy for trace elements	50g	As, Sb, Pb, Sn, Bi, Ag, Te, Tl, Se
GBW01635	铁镍基铸造高温合金杂质成分分析标准物质	Cast iron-nickel base superalloy for trace elements	50g	As, Sb, Pb, Sn, Bi, Ag, Te, Tl, Se
GBW01626	镍基铸造高温合金杂质成分分析标准物质	Cast nickel base superalloy for trace elements	50g	As, Sb, Pb, Sn, Bi, Ag, Te, Tl, Se
GBW01627	镍基铸造高温合金杂质成分分析标准物质	Cast nickel base superalloy for trace elements	50g	As, Sb, Pb, Sn, Bi, Ag, Te, Tl, Se
GBW01628	镍基铸造高温合金杂质成分分析标准物质	Cast nickel base superalloy for trace elements	50g	As, Sb, Pb, Sn, Bi, Ag, Te, Tl, Se
GBW01629	镍基铸造高温合金杂质成分分析标准物质	Cast nickel base superalloy for trace elements	50g	As, Sb, Pb, Sn, Bi, Ag, Te, Tl, Se
GBW01630	镍基铸造高温合金杂质成分分析标准物质	Cast nickel base superalloy for trace elements	50g	As, Sb, Pb, Sn, Bi, Ag, Te, Tl, Se
GBW01636	镍基高温合金成分分析标准物质	Trace elements in nickel-base superalloy	Φ33mm×20mm	Ag, As, B, Bi, Cd, Ce, Cu, Ga, Ge, Hf, In, P, Pb, Sb, Sc, Se, Sn, Te, Tl, Zn
GBW01637	镍基高温合金成分分析标准物质	Trace elements in nickel-base superalloy	50g	Ag, As, B, Bi, Ce, Cu, Ga, Ge, Hf, In, P, Pb, Sb, Sc, Se, Sn, Te, Tl, Zn
GBW01638	镍基高温合金成分分析标准物质	Trace elements in nickel-base superalloy	50g	Ag, As, B, Bi, Ce, Cu, Ga, Ge, Hf, In, P, Pb, Sb, Sc, Se, Sn, Te, Tl, Zn
GBW01640	镍基高温合金成分分析标准物质	Trace elements in nickel-base superalloy	50g	Ag, As, B, Bi, Ce, Cu, Ga, Ge, Hf, In, P, Pb, Sb, Sc, Se, Sn, Te, Tl, Zn
GBW01641	镍基高温合金成份分析标准物质	Nickel based high temperature alloy	50g	B, Bi, P, Pb
GBW01624	耐热合金成分分析标准物质	Heat-resisting alloy	100g	C, Si, Mn, P, S, Cr, Ni, W, Mo, V, Nb
GBW02551	高温合金成分分析标准物质	High-temperature alloy	150g	C, Mn, Si, S, P, Cr, Al, Ti, Cu, Nb, B, Fe, Zr, Ce

铁合金/Ferro-Alloy

编号 /Number	中文名称	Name	规格/Units	特性量/Properties
GBW01422	硅铁成份分析标准物质	Ferro silicon	50g	Si, P, Mn, C, S, Cr, Al, Ca
GBW01422a	硅铁成分分析标准物质	Ferro silicon	50g	Si, P, Mn, C, S, Cr, Al, Ca

GBW01432	硅铁成分分析标准物质	Ferro silicon	70g	Si, P, Mn, C, S, Cr, Cu, Ni, Ca, Al, Fe, V, Co, Ti, B, Ba, Mo, Mg, Sn, As, [O]
GBW01433	硅铁成分分析标准物质	Ferro silicon	70g	Si, P, Mn, C, S, Cr, Cu, Ni, Ca, Al, Fe, V, Co, Ti, B, Ba, Mo, Mg, Sn, As, [O]
GBW01425a	低碳铬铁成分分析标准物质	Low-carbon ferrochromium	70g	Si, P, Mn, C, S, Cr
GBW01428	钨铁成分分析标准物质	Ferro-tungsten	50g	Si, Mn, C, S, Cu, W, [P]
GBW01434	硅钙钡成分分析标准物质	Barium-calcium-silicon	70g	Si, P, Mn, C, S, Al, Ca, Fe, Cu, Cr, Ni, Ba

铸铁及生铁/Cast Iron

编号 /Number	中文名称	Name	规格/Units	特性量/Properties
GBW01117	铸铁喷粉碳硫成分分析标准物质	Cast iron for carbon and sulphur analysis	150g	C: (3.08±0.02)%; S: (0.098±0.002)%
GBW01119a	稀土球墨铸铁成分分析标准物质	Ductile iron	85g	C, Si, Mn, P, S, Cu, Cr, Ni, Mo, Co, Σ RE, Mg, V, Ti
GBW01120	高铬铸铁成分分析标准物质	High chromium cast iron	100g	C, Si, Mn, P, S, Cr, Mo, V, Ti
GBW01121	高铬铸铁成分分析标准物质	High chromium cast iron	100g	C, Si, Mn, P, S, Cr, Mo, V, Ti
GBW01122	高铬铸铁成分分析标准物质	High chromium cast iron	100g	C, Si, Mn, P, S, Cr, Ni, Mo, V, Ti
GBW01145	稀土镁铸铁成份分析标准物质	RE-Mg cast iron	80g	Cr, Co, Sn, P, Cu, Ti, Si, N, Re, Al(s), S, B, As, C, W, Mn, La, V, Mg, Ce, Ni, Mo, [Sb]
GBW01101b	生铁成份分析标准物质	Cast iron	150g	C, Si, Mn, P, S, Ti, Cu
GBW01103b	生铁成分分析标准物质	Cast iron	150g	C, Si, Mn, P, S, Ti, Cu
GBW01104b	生铁成分分析标准物质	Cast iron	150g	C, Si, Mn, P, S, Ti, Cu
GBW01105b	生铁成分分析标准物质	Cast iron	150g	C, Si, Mn, P, S, Ti, Cu
GBW01106b	生铁成分分析标准物质	Cast iron	150g	C, Si, Mn, P, S, Ti, Cu
GBW01107a	生铁成份分析标准物质	Cast iron	150g	C, Si, Mn, P, S, Ti, Cu
GBW01107b	生铁成分分析标准物质	Cast iron	150g	C, Si, Mn, P, S, Ti, Cu
GBW01108a	生铁成份分析标准物质	Cast iron	150g	C, Si, Mn, P, S, Ti, Cu
GBW01108b	生铁成分分析标准物质	Cast iron	150g	C, Si, Mn, P, S, Ti, Cu
GBW01123	生铁成分分析标准物质	Pig iron	100g	C, Si, Mn, P, S, Cu, Co, Ni, V, Ti, Cr, Mo, Al(s), Pb, Sn, As, Sb, [Bi]
GBW01124	生铁成分分析标准物质	Pig iron	100g	C, Si, Mn, P, S, Cu, Co, Ni, V, Ti, Cr, Mo, Al(s), Pb, Sn, As, Sb, [Bi]

纯铁/Pure Iron				
编号 /Number	中文名称	Name	规格/Units	特性量/Properties
GBW01403	工业纯铁成分分析标准物质	Armco iron	100g	C, Si, Mn, P, S, Ni, Cr, C, Al(t), N
GBW01404	工业纯铁成分分析标准物质	Armco iron	100g	C, Si, Mn, P, S, Ni, Cr, C, Al(t), N
GBW01404a	工业纯铁成分分析标准物质	Armco Iron	100g	C, Si, Mn, P, S, Ni, Cr, Cu, N, Al(t)
GBW01405	工业纯铁成分分析标准物质	Armco iron	100g	C, Si, Mn, P, S, Ni, Cr, C, Al(t), N
GBW01405a	工业纯铁成分分析标准物质	Armco Iron	100g	C, Si, Mn, P, S, Ni, Cr, Cu, N, Al(t)
GBW01406	工业纯铁成分分析标准物质	Armco iron	100g	C, Si, Mn, P, S, Ni, Cr, C, Al(t), N
GBW01406a	工业纯铁成分分析标准物质	Armco Iron	100g	C, Si, Mn, P, S, Ni, Cr, Cu, N, Al(t)
GBW01407	工业纯铁成分分析标准物质	Armco iron	100g	C, Si, Mn, P, S, Ni, Cr, C, Al(t), N
炉渣/Slag				
编号 /Number	中文名称	Name	规格/Units	特性量/Properties
GBW01704	转炉渣成分分析标准物质	Converter slag	50g	SiO ₂ , TCa, MgO, Al ₂ O ₃ , TiO ₂ , TFe, MnO, P ₂ O ₅ , F, S
GBW01705	转炉渣成分分析标准物质	Converter slag	50g	SiO ₂ , TCa, MgO, Al ₂ O ₃ , TiO ₂ , TFe, MnO, P ₂ O ₅ , F, S
GBW01706	转炉渣成分分析标准物质	Converter slag	50g	SiO ₂ , TCa, MgO, Al ₂ O ₃ , TiO ₂ , TFe, MnO, K ₂ O, Na ₂ O, P ₂ O ₅ , F, S
GBW01708	转炉渣成分分析标准物质	Converter slag	50g	SiO ₂ , TCa, MgO, Al ₂ O ₃ , TiO ₂ , TFe, MnO, K ₂ O, Na ₂ O, P ₂ O ₅ , F, S
其它/Others				
编号 /Number	中文名称	Name	规格/Units	特性量/Properties
GBW01502	精密合金成分分析标准物质	Precision alloy	100g	C, S, P, Si, Mn, Ni, Cr, Cu, Co, Mo, Ti
GBW01503	精密合金成分分析标准物质	Precision alloy	100g	C, Mn, Si, P, S, Ni, Co
GBW01531	硫磷易切钢成分分析标准物质	Sulfur-phosphorus free cutting steel	150g	C, S, P, Si, Mn
GBW01532	硫磷易切钢成分分析标准物质	Sulfur-phosphorus free cutting steel	150g	C, S, P, Si, Mn
GBW01533	硫磷易切钢成分分析标准物质	Sulfur-phosphorus free cutting steel	150g	C, S, P, Si, Mn
GBW01534	硫磷易切钢成分分析标准物质	Sulfur-phosphorus free cutting steel	150g	C, S, P, Si, Mn
GBW01317b	轴承钢成分分析标准物质	Bearing steel	100g	C, Si, Mn, P, Mo, Cr, Cu, Ni, Sn, As, Sb, Ti, Al(t), Al(s), [S]
GBW01341	轴承钢碳、硫成分分析标准物质	Carbon and sulphur in bearing steel	50g	C: (1.014±0.006)%, S: (0.0078±0.0005)%

GBW01372	硅钢成分分析标准物质	Silicon steel	100g	C, S, P, Mn, Si, Ni, Cr, Cu, Mo, Al(s), Al(is)
GBW01373	硅钢成分分析标准物质	Silicon steel	100g	C, S, P, Mn, Si, Ni, Cr, Cu, Mo, Al(s), Al(is)
GBW01374	硅钢成分分析标准物质	Silicon steel	100g	C, S, P, Mn, Si, Ni, Cr, Cu, Mo, Al(s), Al(is)
★GBW02143	高纯硅纯度标准物质	Purity of High Pure Silicon	1 片 (40 mm×4 mm)	(99.9995±0.000003) %

2.有色金属/Non-ferrous Metals and Gases in Metals

重金属及合金

Heavy Metals and Their Alloys

稀土金属矿

Rare-earth Element Ore

重金属及合金/Heavy Metals and Their Alloys

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW02101	铁黄铜成分分析标准物质	Iron brass	100g	Cu, Fe, Mn, Al, Sn, Pb, Sb, Bi, P
GBW02103	锰黄铜成分分析标准物质	Manganese brass	100g	Cu, Fe, Mn, Al, Sn, Pb, Sb, P
GBW02116	铅黄铜成分分析标准物质	Lead brass	100g	Cu, Fe, Al, Sn, Pb, Sb, Bi, P, Zn, Ni
GBW02110	铝黄铜成分分析标准物质	Aluminium brass	100g	Cu, Fe, Al, Sn, Pb, Sb, Bi, P, Ni, As
GBW02102	铝青铜成分分析标准物质	Aluminium bronze	100g	Fe, Mn, Al, Sn, Pb, Sb, P, Zn, Ni, Si, As
GBW02117	铝青铜成分分析标准物质	Aluminium bronze	100g	Al, Mn, Fe, Ni, Pb, Si, Sn, Zn, P, Cu
GBW02118	铝青铜成分分析标准物质	Aluminium bronze	100g	Al, Mn, Fe, Ni, Pb, Si, Sn, Zn, P, Sb, As, Cu
GBW02119	铝青铜成分分析标准物质	Aluminium bronze	100g	Al, Mn, Fe, Ni, Pb, Si, Sn, Zn, P, Sb, As, Cu
GBW02132	磷青铜成分分析标准物质	Phosphor bronze	150g	Cu, Sn, P
GBW02133	磷青铜成分分析标准物质	Phosphor bronze	150g	Cu, Sn, P
GBW02134	磷青铜成分分析标准物质	Phosphor bronze	150g	Cu, Sn, P
GBW02135	磷青铜成分分析标准物质	Phosphor bronze	150g	Cu, Sn, P
GBW02136	磷青铜成分分析标准物质	Phosphor bronze	150g	Cu, Sn, P, Pb, Fe, Sb, Si
GBW02138	青铜成分分析标准物质	Bronze	100g	Cu, Sn, Pb, Zn
GBW02139	青铜成分分析标准物质	Bronze	100g	Cu, Sn, Pb, Zn, Ni
GBW02140	青铜成分分析标准物质	Bronze	100g	Cu, Sn, Pb, Zn
GBW02104	锌白铜成分分析标准物质	Nickel silver	100g	Fe, Mn, Pb, Sb, Bi, P, Zn, Ni, Si, As, Mg
GBW02105-02109	锌白铜光谱分析标准物质	Nickel silver(for optical emission spectroscopic analysis)	Φ30mm×35mm, set(5)	Fe, Mn, Pb, Sb, Bi, Si, As, Mg, [Zn], [Ni]
GBW02111-02115	纯铜光谱分析标准物质	Purity copper(for optical emission spectroscopic analysis)	Φ8mm×140mm, set(5)	Fe, Sn, Pb, Sb, Bi, Zn, Ni, As
GBW02402	铅基合金成分分析标准物质	Lead-base alloy	100g	Pb, Sn, Sb, Cu, Bi, As
GBW02302	锡基合金成分分析标准物质	Tin-base alloy	100g	Sn, Sb, Cu, Pb, Bi, As
GBW02210-GBW02214	精铝光谱分析标准物质	Refined aluminium(for optical emission spectroscopic analysis)	Φ10mm×120mm, set(5)	Fe, Si, Cu

GBW02351	稀土镁合金成分分析标准物质	Magnesium alloy	50g	Cu, Mn, Ni, RE, Zn, Zr
GBW02501	钛合金成分分析标准物质	Titanium-base alloy	50g	C, Si, Cr, Mo, Al, Zr, Fe, N
GBW02502	钛合金成分分析标准物质	Titanium-base alloy	50g	C, Si, Mo, Al, Zr, Fe, N
★GBW02793	高纯金纯度标准物质	Purity of High Pure Gold	5g	(99.9995±0.0002) %
★GBW02794	高纯银纯度标准物质	Purity of High Pure Silver	4g	(99.9997±0.0002) %

稀土金属矿/Rare-earth Element Ore

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW02901	氧化钇成分分析标准物质	Impurity constituents in yttrium oxide	10g	CeO ₂ , Pr ₆ O ₁₁ , Tb ₄ O ₇ , Dy ₂ O ₃ , CaO, CuO, Fe ₂ O ₃ , NiO, PbO, SiO ₂
GBW02902	氧化铈成分分析标准物质	Impurity constituents in europium oxide	5g	La ₂ O ₃ , CeO ₂ , Pr ₆ O ₁₁ , Nd ₂ O ₃ , Sm ₂ O ₃ , Gd ₂ O ₃ , Tb ₄ O ₇ , Dy ₂ O ₃ , Ho ₂ O ₃ , Er ₂ O ₃ , Tm ₂ O ₃ , Yb ₂ O ₃ , Lu ₂ O ₃ , Y ₂ O ₃ , Na ₂ O, CaO, Fe ₂ O ₃ , NiO, CuO, ZnO, PbO ₂ , [SiO ₂]

3.地质矿产/Geology

矿石

Ore

岩石

Rock

矿石/Ore				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW07228	金地质成分分析标准物质	Geological reference material for gold	500g	$(3.4 \pm 0.2) \times 10^{-9}$
GBW07229	金地质成分分析标准物质	Geological reference material for gold	500g	$(52 \pm 3) \times 10^{-9}$
GBW07230	金地质成分分析标准物质	Geological reference material for gold	1000g	$(1.33 \pm 0.02) \times 10^{-6}$
GBW07207	矿石中金和银成分分析标准物质	Gold and silver in ore	1kg	Au: $(0.008 \pm 0.001) \times 10^{-6}$; Ag: $(0.33 \pm 0.01) \times 10^{-6}$
GBW07801	金矿石金银成分国家标准物质	Gold ore certified reference material of gold and silver	1000g	Au: $(57.2 \pm 0.9) \text{g/T}$; Ag: $(43.4 \pm 1.2) \text{g/T}$
GBW07802	金矿石金银成分国家标准物质	Gold ore certified reference material of gold and silver	750g	Au: $(37.3 \pm 0.9) \text{g/T}$; Ag: $(26.2 \pm 0.9) \text{g/T}$
GBW07803	金矿石金银成分国家标准物质	Gold ore certified reference material of gold and silver	500g	Au: $(20.9 \pm 0.4) \text{g/T}$; Ag: $(63.1 \pm 1.2) \text{g/T}$
GBW07804	金矿石金银成分国家标准物质	Gold ore certified reference material of gold and silver	500g	Au: $(2.5 \pm 0.2) \text{g/T}$; Ag: $(7.8 \pm 0.3) \text{g/T}$
GBW07255	银矿石中银成分分析标准物质	Silver in silver ore	50g	$(46.9 \pm 1.1) \times 10^{-6}$
GBW07256	银矿石中银成分分析标准物质	Silver in silver ore	50g	$(112 \pm 4) \times 10^{-6}$
GBW07257	银矿石中银成分分析标准物质	Silver in silver ore	50g	$(298 \pm 10) \times 10^{-6}$
GBW07258	银矿石中银成分分析标准物质	Silver in silver ore	50g	$(446 \pm 9) \times 10^{-6}$
GBW07259	银矿石中银成分分析标准物质	Silver in silver ore	50g	$(559 \pm 15) \times 10^{-6}$
GBW07260	银矿石中银成分分析标准物质	Silver in silver ore	50g	$(732 \pm 10) \times 10^{-6}$
GBW07242	化探金标准物质	Gold for geochemical exploration	1kg	$(0.5 \pm 0.1) \times 10^{-9}$
GBW07245	化探金标准物质	Gold for geochemical exploration	1kg	$(11.4 \pm 0.7) \times 10^{-9}$
GBW07246	化探金标准物质	Gold for geochemical exploration	1kg	$(21.5 \pm 1.1) \times 10^{-9}$

GBW07247	化探金标准物质	Gold for geochemical exploration	1kg	$(50\pm 2)\times 10^{-9}$
GBW07248	化探金标准物质	Gold for geochemical exploration	1kg	$(100\pm 3)\times 10^{-9}$
GBW07220	球团矿成分分析标准物质	Pellet	100g	SiO ₂ , Al ₂ O ₃ , CaO, MgO, TFe, Mn, P, S, Cu, Ti, K ₂ O, Na ₂ O, FeO, Ni
GBW07220a	球团矿成分分析标准物质	Pellet	100g	SiO ₂ , Al ₂ O ₃ , CaO, MgO, TFe, Mn, P, S, Cu, Ti, K ₂ O, Na ₂ O, FeO, Ni
GBW07222	菱铁矿成分分析标准物质	Siderite	100g	SiO ₂ , Al ₂ O ₃ , CaO, MgO, TFe, Mn, P, S, Cu, Ti, K ₂ O, Na ₂ O, FeO, Co, Ni
GBW07222a	菱铁矿成分分析标准物质	Siderite	100g	SiO ₂ , Al ₂ O ₃ , CaO, MgO, TFe, Mn, P, S, Cu, Ti, K ₂ O, Na ₂ O, FeO, Co, Ni
GBW07271	铁矿石物相成分分析标准物质	Chemical phase analyses of iron ore	100g	MFe, SFe, CFe, TFe, [SiFe], [OFe]
GBW07272	铁矿石物相成分分析标准物质	Chemical phase analyses of iron ore	100g	MFe, SFe, CFe, TFe, [SiFe], [OFe]
GBW07273	铁矿石物相成分分析标准物质	Chemical phase analyses of iron ore	100g	MFe, SFe, CFe, TFe, [SiFe], [OFe]
GBW07274	铁矿石物相成分分析标准物质	Chemical phase analyses of iron ore	100g	MFe, CFe, TFe, [SiFe], [OFe], [SFe]
GBW07275	铁矿石物相成分分析标准物质	Chemical phase analyses of iron ore	100g	MFe, CFe, TFe, [SiFe], [OFe], [SFe]
GBW07276	铁矿石物相成分分析标准物质	Chemical phase analyses of iron ore	100g	MFe, CFe, TFe, [SiFe], [OFe], [SFe]
GBW(E)070091	铁矿石成分分析标准物质	Iron ore	100g	SiO ₂ , Al ₂ O ₃ , CaO, MgO, TFe, Mn, P, S, Ti, K ₂ O, Na ₂ O, FeO
GBW(E)070092	铁矿石成分分析标准物质	Iron ore	100g	SiO ₂ , Al ₂ O ₃ , CaO, MgO, TFe, Mn, P, S, Ti, K ₂ O, Na ₂ O, FeO
GBW07822	铁矿石成分分析标准物质	Iron ore	50g	TFe, SiO ₂ , Al ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , S, P, Ti, Mn, Cu
GBW07823	铁矿石成分分析标准物质	Iron ore	50g	TFe, SiO ₂ , Al ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , S, P, Ti, Mn, Cu
GBW07824	铁矿石成分分析标准物质	Iron ore	50g	TFe, SiO ₂ , Al ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , S, P, Ti, Mn, Cu
GBW07825	铁矿石成分分析标准物质	Iron ore	50g	TFe, SiO ₂ , Al ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , S, P, Ti, Mn, Cu
GBW07826	铁矿石成分分析标准物质	Iron ore	50g	TFe, SiO ₂ , Al ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , S, P, Ti, Mn, Cu
GBW07827	铁矿石成分分析标准物质	Iron ore	50g	TFe, SiO ₂ , Al ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , S, P, Ti, Mn, Cu
GBW07828	铁矿石成分分析标准物质	Iron ore	50g	TFe, SiO ₂ , Al ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , S, P, Ti, Mn, Cu
GBW07829	铁矿石成分分析标准物质	Iron ore	50g	TFe, SiO ₂ , Al ₂ O ₃ , FeO, MgO, CaO, Na ₂ O,

				K ₂ O, H ₂ O ⁺ , S, P, Ti, Mn, Cu
GBW07830	铁矿石成分分析标准物质	Iron ore	50g	TFe, SiO ₂ , Al ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , S, P, Ti, Mn, Cu
GBW07231	锡精矿成分分析标准物质	Tin concentrate	100g	Sn, Pb, Fe, As, Sb, Bi, Zn, S, Ag
GBW07232	锡精矿成分分析标准物质	Tin concentrate	100g	Sn, Pb, Fe, As, Sb, Bi, Zn, S, Cu, SiO ₂ , WO ₃
GBW07171	铅矿石成分分析标准物质	Lead ore	40g	Cu, Pb, Zn, As, Ag, Bi, Mn, S, SiO ₂ , TFe ₂ O ₃ , Al ₂ O ₃ , TiO ₂ , CaO, Na ₂ O, [MgO], [K ₂ O]
GBW07172	铅矿石成分分析标准物质	Lead ore	40g	Cu, Pb, Zn, Mn, S, SiO ₂ , TFe ₂ O ₃ , Al ₂ O ₃ , TiO ₂ , CaO, MgO, K ₂ O, Na ₂ O, [As], [Ag], [Bi]
GBW07167	铅精矿成分分析标准物质	Pb concentrate	50g	Cu, Pb, Zn, Fe, S, As, SiO ₂ , Ag, Cd, Ge, Sb, Hg, [Al ₂ O ₃], [CaO], [MgO], [K ₂ O], [Na ₂ O], [W], [Bi], [Ga], [Se], [Mo], [Mn]
GBW07173	锌矿石成分分析标准物质	Zinc ore	40g	Cu, Pb, Zn, Ag, Bi, Hg, SiO ₂ , TFe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, [S], [As], [MnO]
GBW07168	锌精矿标准物质	Zn concentrate	50g	Cu, Al ₂ O ₃ , Pb, Zn, Fe, MgO, Mn, S, Ag, Cd, Ga, Ge, As, Sb, Hg, SiO ₂ , [CaO], [K ₂ O], [In], [Se], [W], [Bi]
GBW07164	富铜(银)矿石成分分析标准物质	Rich Cu (Ag) ore	50g	As, Cu, Pb, Zn, Cd, Fe, S, Ag, Ga, Ge, In, Se, Re, Mo, W, Sb, Bi, Sn, Mn, SiO ₂ , Al ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, [Tl], [Te]
GBW07165	富铅锌矿石成分分析标准物质	Rich Pb and Zn ore	50g	As, Cu, Pb, Zn, Cd, Fe, S, Ag, Ga, Ge, In, Tl, Mo, W, Sb, Bi, Sn, Mn, SiO ₂ , Al ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O
GBW07150	铍矿石成分分析标准物质	Beryllium ore	100g	BeO, $\sum \text{RExO}_y$, La ₂ O ₃ , CeO ₂ , Pr ₆ O ₁₁ , Nd ₂ O ₃ , Sm ₂ O ₃ , Eu ₂ O ₃ , Gd ₂ O ₃ , Tb ₄ O ₇ , Dy ₂ O ₃ , Ho ₂ O ₃ , Er ₂ O ₃ , Tm ₂ O ₃ , Yb ₂ O ₃ , Lu ₂ O ₃ , Y ₂ O ₃ , Sc ₂ O ₃ , Al ₂ O ₃ , W, Mo, SiO ₂ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, TiO ₂ , MnO, H ₂ O ⁺ , F, Na ₂ O, L.O.I., [FeO], [P ₂ O ₅]
GBW07151	铍矿石成分分析标准物质	Beryllium ore	100g	BeO, $\sum \text{RExO}_y$, La ₂ O ₃ , CeO ₂ , Pr ₆ O ₁₁ , Nd ₂ O ₃ , Sm ₂ O ₃ , Eu ₂ O ₃ , Gd ₂ O ₃ , Tb ₄ O ₇ , Dy ₃ O ₃ , Ho ₂ O ₃ , Er ₂ O ₃ , Tm ₂ O ₃ , Yb ₂ O ₃ , Lu ₂ O ₃ , Y ₂ O ₃ , Sc ₂ O ₃ , Al ₂ O ₃ , W, Mo, SiO ₂ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, TiO ₂ , MnO, H ₂ O ⁺ , F, Na ₂ O, L.O.I., [FeO], [P ₂ O ₅]

GBW07152	锂矿石成分分析标准物质	Lithium ore	100g	BeO, Li ₂ O, Rb ₂ O, Cs ₂ O, Ta ₂ O ₅ , Nb ₂ O ₅ , $\sum \text{RE}_x\text{O}_y$, La ₂ O ₃ , CeO ₂ , Pr ₆ O ₁₁ , Nd ₂ O ₃ , Sm ₂ O ₃ , Gd ₂ O ₃ , Tb ₄ O ₇ , Dy ₂ O ₃ , Ho ₂ O ₃ , Er ₂ O ₃ , Tm ₂ O ₃ , Yb ₂ O ₃ , Lu ₂ O ₃ , Sc ₂ O ₃ , Y ₂ O ₃ , Al ₂ O ₃ , W, SiO ₂ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, TiO ₂ , MnO, F, H ₂ O ⁺ , Na ₂ O, P ₂ O ₅ , L.O.I., [Eu ₂ O ₃], [Sn], [FeO]
GBW07153	锂矿石成分分析标准物质	Lithium ore	100g	BeO, Li ₂ O, Rb ₂ O, Cs ₂ O, Ta ₂ O ₅ , Nb ₂ O ₅ , $\sum \text{RE}_x\text{O}_y$, CeO ₂ , Pr ₆ O ₁₁ , Nd ₂ O ₃ , Sm ₂ O ₃ , Gd ₂ O ₃ , Tb ₄ O ₇ , Dy ₂ O ₃ , Ho ₂ O ₃ , Er ₂ O ₃ , Tm ₂ O ₃ , Yb ₂ O ₃ , Lu ₂ O ₃ , Sc ₂ O ₃ , Y ₂ O ₃ , Al ₂ O ₃ , W, SiO ₂ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, TiO ₂ , MnO, F, H ₂ O ⁺ , Na ₂ O, P ₂ O ₅ , L.O.I., Eu ₂ O ₃ , Sn, [FeO], [La ₂ O ₃], [Ho ₂ O ₃]
GBW07156	锆矿石成分分析标准物质	Zirconium ore	100g	ZrO ₂ , HfO ₂ , $\sum \text{RE}_x\text{O}_y$, La ₂ O ₃ , CeO ₂ , Pr ₆ O ₁₁ , Nd ₂ O ₃ , Sm ₂ O ₃ , Eu ₂ O ₃ , Gd ₂ O ₃ , Tb ₄ O ₇ , Dy ₂ O ₃ , Ho ₂ O ₃ , Er ₂ O ₃ , Tm ₂ O ₃ , Yb ₂ O ₃ , Lu ₂ O ₃ , Y ₂ O ₃ , Sc ₂ O ₃ , Al ₂ O ₃ , Th, SiO ₂ , TFe ₂ O ₃ , FeO, CaO, MgO, K ₂ O, TiO ₂ , MnO, H ₂ O ⁺ , Na ₂ O, P ₂ O ₅ , L.O.I.
GBW07174	锑矿石成分分析标准物质	Antimony ore	40g	Cu, Pb, Zn, Sb, Au, As, Ni, SiO ₂ , TFe ₂ O ₃ , Al ₂ O ₃ , TiO ₂ , CaO, MgO, Na ₂ O, [Mn], [S], [W], [K ₂ O]
GBW07175	锑矿石成分分析标准物质	Antimony ore	40g	Cu, Pb, Zn, Sb, Au, As, Fe, Mn, S, SiO ₂ , TFe ₂ O ₃ , TiO ₂ , CaO, MgO, K ₂ O, Na ₂ O, [Al ₂ O ₃]
GBW07176	锑矿石成分分析标准物质	Antimony ore	40g	Cu, Pb, Zn, Sb, Mn, Ni, S, SiO ₂ , TFe ₂ O ₃ , TiO ₂ , CaO, [MgO], [Al ₂ O ₃], [K ₂ O], [Na ₂ O], [As]
GBW07154	钽矿石成分分析标准物质	Tantalum ore	100g	BeO, Li ₂ O, Rb ₂ O, Cs ₂ O, Ta ₂ O ₅ , $\sum \text{RE}_x\text{O}_y$, CeO ₂ , La ₂ O ₃ , Pr ₆ O ₁₁ , Nd ₂ O ₃ , Nb ₂ O ₅ , Sm ₂ O ₃ , Eu ₂ O ₃ , Gd ₂ O ₃ , Tb ₄ O ₇ , Dy ₂ O ₃ , Ho ₂ O ₃ , Er ₂ O ₃ , Tm ₂ O ₃ , Yb ₂ O ₃ , Y ₂ O ₃ , Lu ₂ O ₃ , Sc ₂ O ₃ , Al ₂ O ₃ , W, F, SiO ₂ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, TiO ₂ , MnO, H ₂ O ⁺ , Na ₂ O, P ₂ O ₅ , L.O.I., [Sn], [FeO]
GBW07155	钽矿石成分分析标准物质	Tantalum ore	100g	BeO, Li ₂ O, Rb ₂ O, Cs ₂ O, Ta ₂ O ₅ , $\sum \text{RE}_x\text{O}_y$, CeO ₂ , La ₂ O ₃ , Pr ₆ O ₁₁ , Nd ₂ O ₃ , Nb ₂ O ₅ , Sm ₂ O ₃ , Eu ₂ O ₃ , Gd ₂ O ₃ , Tb ₄ O ₇ , Dy ₂ O ₃ , Ho ₂ O ₃ , Er ₂ O ₃ , Tm ₂ O ₃ , Yb ₂ O ₃ , Y ₂ O ₃ , Lu ₂ O ₃ , Sc ₂ O ₃ , Al ₂ O ₃ , W, F, SiO ₂ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, TiO ₂ , MnO, H ₂ O ⁺ , Na ₂ O, P ₂ O ₅ , L.O.I., [Sn], [FeO]

GBW07157	锆矿石成分分析标准物质	Zirconium ore	100g	ZrO ₂ , HfO ₂ , $\sum \text{RExO}_Y$, La ₂ O ₃ , CeO ₂ , Pr ₆ O ₁₁ , Nd ₂ O ₃ , Sm ₂ O ₃ , Eu ₂ O ₃ , Tb ₄ O ₇ , Dy ₂ O ₃ , Ho ₂ O ₃ , Er ₂ O ₃ , Tm ₂ O ₃ , Yb ₂ O ₃ , Lu ₂ O ₃ , Y ₂ O ₃ , Sc ₂ O ₃ , Th, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, CaO, MgO, MnO, TiO ₂ , K ₂ O, Na ₂ O, P ₂ O ₅ , F ⁻ , H ₂ O ⁺ , L.O.I., [Gd ₂ O ₃]
GBW07201	铬铁矿成分分析标准物质	Chromite	200g	Cr ₂ O ₃ , SiO ₂ , Al ₂ O ₃ , MgO, CaO, TiO ₂ , P ₂ O ₅ , MnO, Na ₂ O, K ₂ O, H ₂ O ⁺ , CO ₂ , S, NiO, CoO, V ₂ O ₅ , TFe ₂ O ₅ , Pt, Pd, Rh, Ir, Os, Ru, [Fe ₂ O ₃], [FeO]
GBW07202	铬铁矿成分分析标准物质	Chromite	200g	Cr ₂ O ₃ , SiO ₂ , Al ₂ O ₃ , MgO, CaO, TiO ₂ , P ₂ O ₅ , MnO, Na ₂ O, K ₂ O, H ₂ O ⁺ , CO ₂ , S, NiO, CoO, V ₂ O ₅ , TFe ₂ O ₅ , Pt, Pd, Rh, Ir, Os, Ru, [Fe ₂ O ₃], [FeO]
GBW07818	铬铁矿成分分析标准物质	Chromite	50g	Cr ₂ O ₃ . SiO ₂ . Al ₂ O ₃ . TFe ₂ O ₃ . FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ . CO ₂ . S, Ni, Co, P, Ti, Mn, V
GBW07819	铬铁矿成分分析标准物质	Chromite	50g	Cr ₂ O ₃ . SiO ₂ . Al ₂ O ₃ . TFe ₂ O ₃ . FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ . CO ₂ . S, Ni, Co, P, Ti, Mn, V
GBW07820	铬铁矿成分分析标准物质	Chromite	50g	Cr ₂ O ₃ . SiO ₂ . Al ₂ O ₃ . TFe ₂ O ₃ . FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ . CO ₂ . S, Ni, Co, P, Ti, Mn, V
GBW07821	铬铁矿成分分析标准物质	Chromite	50g	Cr ₂ O ₃ . SiO ₂ . Al ₂ O ₃ . TFe ₂ O ₃ . FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ . CO ₂ . S, Ni, Co, P, Ti, Mn, V
GBW07162	多金属贫矿石成分分析标准物质	Poor polymetal	50g	Cu, Pb, Zn, Fe, S, As, Ag, Cd, Ga, Ge, Tl, Se, Mo, Sb, Bi, Hg, Mn, SiO ₂ , Al ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, [In], [Te], [W]
GBW07163	多金属矿石成分分析标准物质	Polymetal ore rock	50g	Cu, Pb, Zn, Fe, S, As, Ag, Cd, Ga, Ge, In, Mo, W, Bi, Hg, Sn, Mn, SiO ₂ , Al ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, [Tl], [Se], [Te], [Sb]
GBW07249	多金属结核成分分析标准物质	Polymetallic nodule	60g	Mn(T), Fe(T), Co, Ni, Cu, SiO ₂ , Al ₂ O ₃ , TiO ₂ , P ₂ O ₅ , MgO, CaO, Na ₂ O, K ₂ O, Ba, Sr, H ₂ O ⁺ , S, Cl, MnO ₂ , As, B, Ce, Cr, Dy, Er, Eu, Ga, Gd, Ho, La, Li, Lu, Mo, Nd, Pb, Pr, Rb, Sb, Sc, Sm, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, [CO ₂], [Org.C], [L.O.I.], [Nb], [F]
GBW07210	磷矿石成分分析标准物质	Phosphate rocks	100g	P ₂ O ₅ , SiO ₂ , CaO, MgO, Fe ₂ O ₃ , Al ₂ O ₃ , MnO, TiO ₂ , F, CO ₂ , K ₂ O, Na ₂ O, SrO, I

GBW07211	磷矿石成分分析标准物质	Phosphate rocks	100g	P ₂ O ₅ , SiO ₂ , CaO, MgO, Fe ₂ O ₃ , Al ₂ O ₃ , MnO, TiO ₂ , F, CO ₂ , K ₂ O, Na ₂ O, SrO, I, TS
GBW07212	磷矿石成分分析标准物质	Phosphate rocks	100g	P ₂ O ₅ , SiO ₂ , CaO, MgO, Fe ₂ O ₃ , Al ₂ O ₃ , MnO, TiO ₂ , F, CO ₂ , K ₂ O, Na ₂ O, SrO
GBW07250	萤石成分分析标准物质	Fluorspar	65g	CaF ₂ , SiO ₂ , P, S, Fe ₂ O ₃ , K ₂ O, Na ₂ O, [CaCO ₃]
GBW07251	萤石成分分析标准物质	Fluorspar	65g	CaF ₂ , SiO ₂ , P, S, Fe ₂ O ₃ , K ₂ O, Na ₂ O, [CaCO ₃]
GBW07252	萤石成分分析标准物质	Fluorspar	65g	CaF ₂ , SiO ₂ , P, S, Fe ₂ O ₃ , K ₂ O, Na ₂ O, [CaCO ₃]
GBW07253	萤石成分分析标准物质	Fluorspar	65g	CaF ₂ , SiO ₂ , P, S, Fe ₂ O ₃ , K ₂ O, Na ₂ O, [CaCO ₃]
GBW07261	锰矿石成分分析标准物质	Manganese ore	100g	Mn, Fe, SiO ₂ , Al ₂ O ₃ , TiO ₂ , CaO, MgO, Na ₂ O, K ₂ O, S, P, Cu, Zn, Ni, BaO, MnO ₂ , [Mn(SiO ₃ ²⁻)]
GBW07262	锰矿石成分分析标准物质	Manganese ore	100g	Mn, Fe, SiO ₂ , Al ₂ O ₃ , TiO ₂ , CaO, MgO, Na ₂ O, K ₂ O, S, P, Cu, Zn, Ni, BaO, Mn(CO ₃ ²⁻), [Mn(SiO ₃ ²⁻)]
GBW07263	锰矿石成分分析标准物质	Manganese ore	100g	Mn, Fe, SiO ₂ , Al ₂ O ₃ , TiO ₂ , CaO, MgO, Na ₂ O, K ₂ O, S, P, Cu, Zn, Ni, BaO, MnO ₂ , [Mn(SiO ₃ ²⁻)]
GBW07264	锰矿石成分分析标准物质	Manganese ore	100g	Mn, Fe, SiO ₂ , Al ₂ O ₃ , TiO ₂ , CaO, MgO, Na ₂ O, K ₂ O, S, P, Cu, Zn, Ni, BaO, MnO ₂ , [Mn(SiO ₃ ²⁻)]
GBW07265	锰矿石成分分析标准物质	Manganese ore	100g	Mn, Fe, SiO ₂ , Al ₂ O ₃ , TiO ₂ , CaO, MgO, Na ₂ O, K ₂ O, S, P, Cu, Zn, Ni, BaO, Mn(CO ₃ ²⁻), [Mn(SiO ₃ ²⁻)]
GBW07266	锰矿石成分分析标准物质	Manganese ores	100g	Mn, Fe, SiO ₂ , Al ₂ O ₃ , TiO ₂ , CaO, MgO, Na ₂ O, K ₂ O, S, P, Cu, Zn, Ni, BaO, Mn(CO ₃ ²⁻), [Mn(SiO ₃ ²⁻)]
GBW07288	铂族元素地球化学成分分析标准物质	Platinum group elements for geochemical analysis	1000g	Pt, Pd, Au, [Os], [Ir]
GBW07288-1	铂族元素地球化学成分分析标准物质	Platinum group elements for geochemical analysis	500g	Pt, Pd, Au, [Os], [Ir]
GBW07289	铂族元素地球化学成分分析标准物质	Platinum group elements for geochemical analysis	1000g	Pt, Pd, Au, [Os], [Ir]
GBW07289-1	铂族元素地球化学成分分析标准物质	Platinum group elements for	500g	Pt, Pd, Au, [Os], [Ir]

		geochemical analysis		
GBW07290	铂族元素地球化学成分分析标准物质	Platinum group elements for geochemical analysis	1000g	Pt, Pd, Au, Os, Ru, Ir, Rh
GBW07290-1	铂族元素地球化学成分分析标准物质	Platinum group elements for geochemical analysis	500g	Pt, Pd, Au, Os, Ru, Ir, Rh
GBW07291	铂族元素地球化学成分分析标准物质	Platinum group elements for geochemical analysis	1000g	Pt, Pd, Au, Os, Ru, Ir, Rh
GBW07291-1	铂族元素地球化学成分分析标准物质	Platinum group elements for geochemical analysis	500g	Pt, Pd, Au, Os, Ru, Ir, Rh
GBW07292	铂族元素地球化学成分分析标准物质	Platinum group elements for geochemical analysis	1000g	Pt, Pd, Os, Ru, Ir, Rh
GBW07292-1	铂族元素地球化学成分分析标准物质	Platinum group elements for geochemical analysis	500g	Pt, Pd, Os, Ru, Ir, Rh
GBW07293	铂族元素地球化学成分分析标准物质	Platinum group elements for geochemical analysis	1000g	Pt, Pd, Os, Ru, Ir, Rh, [Au]
GBW07293-1	铂族元素地球化学成分分析标准物质	Platinum group elements for geochemical analysis	500g	Pt, Pd, Os, Ru, Ir, Rh, [Au]
GBW07294	铂族元素地球化学成分分析标准物质	Platinum Group Elements for geochemical analysis	1000g	Pt, Pd, Os, Ru, Ir, Rh, [Au]
GBW07294-1	铂族元素地球化学成分分析标准物质	Platinum Group Elements for Geochemical Analysis	500g	Pt, Pd, Os, Ru, Ir, Rh, [Au]

GBW07392	锶矿石成分分析标准物质	Certified Reference Material of Chemical Composition of Strontium Ore	70g	Sr SO3 SiO2 TFe2O3 Al2O3 CaO MgO K2O Na2O TiO2 P2O5 L.O.I. CO2 Ba Mn Pb Zn Cu Ni Li Cr Mo Ag F Y Sc La Ce Pr Nd Sm Eu Gd Tb Dy Ho Er Tm Yb Lu
GBW07393	锶矿石成分分析标准物质	Certified Reference Material of Chemical Composition of Strontium Ore	70g	Sr SO3 SiO2 TFe2O3 Al2O3 CaO MgO K2O Na2O TiO2 P2O5 L.O.I. CO2 Ba Mn Pb Zn Cu Ni Li Cr Mo Ag F Y Sc La Ce Pr Nd Sm Eu Gd Tb Dy Ho Er Tm Yb Lu
GBW07394	锶矿石成分分析标准物质	Certified Reference Material of Chemical Composition of Strontium Ore	70g	Sr SO3 SiO2 TFe2O3 Al2O3 CaO MgO K2O Na2O TiO2 P2O5 L.O.I. CO2 Ba Mn Pb Zn Cu Ni Li Cr Mo Ag F Y Sc La Ce Pr Nd Sm Eu Gd Tb Dy Ho Er Tm Yb Lu
GBW(E)070200	锶矿石成分分析标准物质	Certified Reference Material of Chemical Composition of Strontium Ore	70g	Sr SO3 SiO2 TFe2O3 Al2O3 CaO MgO K2O Na2O TiO2 P2O5 L.O.I. CO2 Ba Mn Pb Zn Cu Ni Li Cr Mo Ag F Y Sc La Ce Pr Nd Sm Eu Gd Tb Dy Ho Er Tm Yb Lu

岩石/Rock

编号/Number	中文名称	Name	规格 /Units	特性量/Properties
GBW07102	超基性岩成分分析标准物质	Ultrabasic rocks	150g	Cr ₂ O ₃ , SiO ₂ , Al ₂ O ₃ , CaO, MgO, P ₂ O ₅ , MnO, K ₂ O, Na ₂ O, TiO ₂ , CO ₂ , H ₂ O ⁺ , S, NiO, CoO, V ₂ O ₅ , Cl, TFe ₂ O ₃ , Pt, Pd, Rh, Ir, Os, Ru, Ag, As, Au, B, Ba, Cu, F, Ga, Ge, Hg, Li, Pb, Sc, Sr, Zn, Ce, Dy, Eu, Gd, Ho, La, Lu, Nd, Sm, Tb, Tm, Yb, [Er], [Pn], [Y], [Fe ₂ O ₃], [FeO], [Br], [Cd], [Sb]

GBW07103	岩石成分分析标准物质	Rock	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, H ₂ O ⁺ , FeO, [L.O.I.], [Au], [In], [Se], [CO ₂]
GBW07104	岩石成分分析标准物质	Rock	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Ei, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, CO ₂ , FeO, Org·C, L.O.I., [Au], [I], [Se], [W], [H ₂ O ⁺]
GBW07105	岩石成分分析标准物质	Rock	70g	Ag, B, Ba, Be, Bi, Cd, Ce, Cl, Co, Cr, Cu, Dy, Er, Ei, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, H ₂ O ⁺ , Na ₂ O, FeO, [L.O.I.], [As], [Cs], [In], [Te], [Tl], [Au], [CO ₂]
GBW07106	岩石成分分析标准物质	Rock	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Ei, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, H ₂ O ⁺ , Na ₂ O, FeO, Org·C, L.O.I., [In], [Au], [I], [CO ₂]
GBW07107	岩石成分分析标准物质	Rock	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Ei, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, H ₂ O ⁺ , FeO, [CO ₂], [Org·C], [L.O.I.], [Au], [Cl], [I], [S], [Te]

GBW07108	岩石成分分析标准物质	Rock	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Ei, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, Sm, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, CO ₂ , FeO, L.O.I., [Org-C], [Au], [Er], [I], [In], [Te], [Sn], [Na ₂ O], [H ₂ O ⁺]
GBW07120	石灰岩成分分析标准物质	Limestoone	70g	As, Ba, Be, Bi, Ce, Dy, Er, Eu, F, Gd, Ge, Hf, Hg, La, Li, Lu, Mn, Mo, Nd, P, Pr, Rb, S, Sb, Se, Sm, Sr, Tb, Th, Ti, Tm, U, V, W, Yb, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, CO ₂ , L.O.I., [Ag], [B], [Cd], [Cl], [Co], [Cr], [Cs], [Cu], [Ga], [Ho], [In], [Nb], [Ni], [Pb], [Sc], [Sn], [Ta], [Tl], [Y], [Zn], [Zr], [Na ₂ O], [H ₂ O ⁺], [FeO]
GBW07121	花岗质片麻岩成分分析标准物质	Granitic gneiss	70g	Ag, As, B, Ba, Be, Bi, Ce, Co, Cr, Cs, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sn, Sr, Tb, Th, Ti, Tm, V, W, Y, Yb, Zn, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, CO ₂ , FeO, L.O.I., [Cd], [Cl], [Cu], [Mo], [S], [Ta], [Tl], [U], [Zr], [H ₂ O ⁺]
GBW07122	斜三角岩成分分析标准物质	Amphibolite	70g	As, B, Ba, Be, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pr, Rb, Sc, Se, Sm, Sr, Tb, Te, Ti, Tm, V, W, Y, Yb, Zn, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, FeO, L.O.I., [Ag], [Bi], [Cl], [Pb], [S], [Sb], [Sn], [Ta], [Th], [Tl], [U], [Zr], [CO ₂], [H ₂ O ⁺]
GBW(E)070040	泥岩成分分析标准物质	Mudstone	80g	SiO ₂ , TiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , MnO, MgO, CaO, Na ₂ O, K ₂ O, L.O.I., B, Ba, Cd, Co, Cr, Cu, Ga, Li, Ni, Pb, Sr, V, Zn, Zr

GBW07128	碳酸盐岩石成分分析标准物质	Carbonate rock	50g	Ag, As, Ba, Be, Bi, Cd, Cl, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Li, Mn, Mo, Nb, Ni, P, Pb, Sb, Sc, Se, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Yb, Zn, Zr, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , MnO, P ₂ O ₅ , SO ₃ , H ₂ O ⁺ , CO ₂ , FeO, L.O.I., [B], [I], [In], [Sn], [Org·C], [Br], [Co], [H ₂ O]
GBW07130	碳酸盐岩石成分分析标准物质	Carbonate rock	50g	As, Ba, Be, Bi, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Mn, Mo, Nb, Ni, P, Pb, Sb, Sc, Sr, Ta, Te, Th, Ti, U, V, W, Y, Yb, Zn, Zr, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , MnO, P ₂ O ₅ , SO ₃ , H ₂ O ⁺ , CO ₂ , FeO, L.O.I., [Br], [B], [I], [In], [Sn], [Ni], [Br], [Ag], [Li], [H ₂ O], [Se], [Tl], [Org·C]
GBW07131	碳酸盐岩石成分分析标准物质	Carbonate rock	50g	As, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Li, Mn, Mo, Nb, Ni, P, Pb, Sb, Sc, Se, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Yb, Zn, Zr, B, I, In, Sn, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , MnO, P ₂ O ₅ , SO ₃ , H ₂ O ⁺ , CO ₂ , FeO, [Org·C], L.O.I., [B], [I], [In], [Sn], [Ni], [Ag], [Li], [H ₂ O]
GBW07133	碳酸盐岩石成分分析标准物质	Carbonate rock	50g	Ag, As, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Hf, Hg, Li, Mn, Mo, Nb, Ni, P, Pb, Sb, Sc, Se, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Yb, Zn, Zr, B, I, In, Sn, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , MnO, P ₂ O ₅ , SO ₃ , H ₂ O ⁺ , CO ₂ , FeO, Org·C, L.O.I., [Ge], [B], [I], [In], [Sn], [H ₂ O], [Org·C]

GBW07134	碳酸盐岩石成分分析标准物质	Carbonate rock	50g	Ag, As, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Li, Mn, Mo, Nb, Ni, P, Pb, Sb, Sc, Se, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Yb, Zn, Zr, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , MnO, P ₂ O ₅ , SO ₃ , H ₂ O ⁺ , CO ₂ , FeO, L.O.I., [B], [I], [In], [Sn], [H ₂ O], [Org·C]
GBW07135	碳酸盐岩石成分分析标准物质	Carbonate rock	50g	Ag, As, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Li, Mn, Mo, Nb, Ni, P, Pb, Sb, Sc, Se, Sr, Ta, Te, Th, Ti, U, V, W, Y, Yb, Zn, Zr, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , MnO, P ₂ O ₅ , SO ₃ , H ₂ O ⁺ , CO ₂ , FeO, L.O.I., [T], [B], [I], [In], [Sn], [H ₂ O], [Org·C]
GBW07136	碳酸盐岩石成分分析标准物质	Carbonate rock	50g	Ag, As, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Li, Mn, Mo, Nb, Ni, P, Pb, Sb, Sc, Se, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Yb, Zn, Zr, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Ho, Er, Yb, Lu, Y, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , MnO, P ₂ O ₅ , FeO, L.O.I., [SO ₃], H ₂ O ⁺ , [CO ₂], [Dy], [B], [I], [In], [Sn], [H ₂ O], [Org·C], [Tm]
GBW07701	合成硅酸盐光谱分析标准物质	Synthetic silicate for spectral analysis	70g	As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr, [Ag]
GBW07702	合成硅酸盐光谱分析标准物质	Synthetic silicate for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr
GBW07703	合成硅酸盐光谱分析标准物质	Synthetic silicate for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr
GBW07704	合成硅酸盐光谱分析标准物质	Synthetic silicate for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr
GBW07705	合成硅酸盐光谱分析标准物质	Synthetic silicate for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr

GBW07706	合成硅酸盐光谱分析标准物质	Synthetic silicate for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr
GBW07707	合成硅酸盐光谱分析标准物质	Synthetic silicate for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr
GBW07708	合成硅酸盐光谱分析标准物质	Synthetic silicate for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr
GBW07709	合成硅酸盐光谱分析标准物质	Synthetic silicate for spectral analysis	70g	Ag, Cd, Yb, Bi, Sb, Sn, Be, Mo, W, Cr, V, Li, B, Ce, Zr, Cu, Pb, Zn, Sr, Ba, Mn, Ti
GBW07710	合成硅酸盐光谱分析标准物质	Synthetic silicate for spectral analysis	70g	Ag, Cd, Bi, Sb, Sn, Be, Mo, W, Cu, Pb, Zn, Sr, Ti
GBW07711	合成硅酸盐光谱分析标准物质	Synthetic silicate for spectral analysis	70g	Ag, Cd, Sb, Sn, Be, Mo, W, Cu, Pb, Zn, Sr
GBW07712	合成灰岩光谱分析标准物质	Synthetic limestone for spectral analysis	70g	Yb, Bi, Sb, Sn, Be, Mo, W, Y, La, Nb, Ga, Co, Cr, As, Ni, B, Ce, Li, V, Zr, Cu, Pb, Zn, Sr, Ba, Ti, Mn, [Cd], [Ag]
GBW07713	合成灰岩光谱分析标准物质	Synthetic limestone for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, Ga, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr
GBW07714	合成灰岩光谱分析标准物质	Synthetic limestone for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, Ga, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr
GBW07715	合成灰岩光谱分析标准物质	Synthetic limestone for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, Ga, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr
GBW07716	合成灰岩光谱分析标准物质	Synthetic limestone for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, Ga, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr
GBW07717	合成灰岩光谱分析标准物质	Synthetic limestone for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, Ga, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr
GBW07718	合成灰岩光谱分析标准物质	Synthetic limestone for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, Ga, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr

GBW07719	合成灰岩光谱分析标准物质	Synthetic limestone for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, Ga, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr
GBW07720	合成灰岩光谱分析标准物质	Synthetic limestone for spectral analysis	70g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, Ga, La, Li, Mn, Mo, Nb, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Y, Yb, Zn, Zr
GBW07843	矽线石成分分析标准物质	Certified Reference Material of Chemical Composition of Sillimanite	70g	TAl₂O₃ SAl₂O₃ SiO₂ Na₂O K₂O CaO MgO TFe₂O₃ FeO L.O.I. MnO P₂O₅ TiO₂ CO₂ C S Ba Be Cd Ce Co Cr Cu F Ga La Li Mo Nb Ni Pb Rb Sr Th U V Y Zn Zr
GBW07844	矽线石成分分析标准物质	Certified Reference Material of Chemical Composition of Sillimanite	70g	TAl₂O₃ SAl₂O₃ SiO₂ Na₂O K₂O CaO MgO TFe₂O₃ FeO L.O.I. MnO P₂O₅ TiO₂ CO₂ C S Ba Be Cd Ce Co Cr Cu F Ga La Li Mo Nb Ni Pb Rb Sr Th U V Y Zn Zr
GBW07845	矽线石成分分析标准物质	Certified Reference Material of Chemical Composition of Sillimanite	70g	TAl₂O₃ SAl₂O₃ SiO₂ Na₂O K₂O CaO MgO TFe₂O₃ FeO L.O.I. MnO P₂O₅ TiO₂ CO₂ C S Ba Be Cd Ce Co Cr Cu F Ga La Li Mo Nb Ni Pb Rb Sr Th U V Y Zn Zr

4.能源/Energy Resources

煤炭

Coal

燃油

Fuel Oil

煤炭/Coal				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW11101	煤物理性质和化学成份分析标准物质	Coal	50g	氮(N), 灰分(ash), 挥发分(volatilmatter), 氢(H), 全硫(S), 热值(calorific value), 碳(C), 真相对密度(truerelative density, 20°C)
GBW11102	煤物理性质和化学成份分析标准物质	Coal	50g	氮(N), 灰分(ash), 挥发分(volatilmatter), 氢(H), 全硫(S), 热值(calorific value), 碳(C), 真相对密度(truerelative density, 20°C)
GBW11103	煤物理性质和化学成份分析标准物质	Coal	50g	氮(N), 灰分(ash), 挥发分(volatilmatter), 氢(H), 全硫(S), 热值(calorific value), 碳(C), 真相对密度(truerelative density, 20°C)
GBW11104	煤物理性质和化学成份分析标准物质	Coal	50g	氮(N), 灰分(ash), 挥发分(volatilmatter), 氢(H), 全硫(S), 热值(calorific value), 碳(C), 真相对密度(truerelative density, 20°C)
GBW11105	煤物理性质和化学成份分析标准物质	Coal	50g	氮(N), 灰分(ash), 挥发分(volatilmatter), 氢(H), 全硫(S), 热值(calorific value), 碳(C), 真相对密度(truerelative density, 20°C)
GBW11107	煤物理特性和化学成分分析标准物质	Coal	50g	氮(N), 灰分(ash), 挥发分(volatilmatter), 氢(H), 全硫(S), 热值(calorific value), 碳(C), 真相对密度(truerelative density, 20°C)
GBW11108	煤物理特性和化学成分分析标准物质	Coal	50g	氮(N), 灰分(ash), 挥发分(volatilmatter), 氢(H), 全硫(S), 热值(calorific value), 碳(C), 真相对密度(truerelative density, 20°C)
GBW11109	煤物理特性和化学成分分析标准物质	Coal	50g	氮(N), 灰分(ash), 挥发分(volatilmatter), 氢(H), 全硫(S), 热值(calorific value), 碳(C), 真相对密度(truerelative density, 20°C)
GBW11110	煤物理特性和化学成分分析标准物质	Coal	50g	氮(N), 灰分(ash), 挥发分(volatilmatter), 氢(H), 全硫(S), 热值(calorific value), 碳(C), 真相对密度(truerelative density, 20°C)
GBW11111	煤物理特性和化学成分分析标准物质	Coal	50g	氮(N), 灰分(ash), 挥发分(volatilmatter), 氢(H), 全硫(S), 热值(calorific value), 碳(C), 真相对密度(truerelative density, 20°C)

GBW11112	煤物理特性和化学成分分析 标准物质	Coal	50g	氮(N), 灰分(ash), 挥发分 (volatilmatter), 氢(H), 全硫(S), 热 值(calorific value), 碳(C), 真相对密 度(truerelative density, 20°C)
GBW11113	煤物理特性和化学成分分析 标准物质	Coal	50g	氮(N), 灰分(ash), 挥发分 (volatilmatter), 氢(H), 全硫(S), 热 值(calorific value), 碳(C), 真相对密 度(truerelative density, 20°C)
GBW11126	煤物理特性和化学成分分析 标准物质	Coal	50g	氮(N), 灰分(ash), 挥发分 (volatilmatter), 氢(H), 全硫(S), 热 值(calorific value), 碳(C), 真相对密 度(truerelative density, 20°C)
GBW11115	煤中砷和磷成分分析标准物 质	Arsenic and phosphorus in coal	50g	As: $(0.0015 \pm 0.0001) \times 10^{-2}$; P: $(0.031 \pm 0.002) \times 10^{-2}$
GBW11116	煤中砷和磷成分分析标准物 质	Arsenic and phosphorus in coal	50g	As: $(0.0034 \pm 0.0002) \times 10^{-2}$; P: $(0.007 \pm 0.001) \times 10^{-2}$
GBW11117	煤中砷和磷成分分析标准物 质	Arsenic and phosphorus in coal	50g	As: $(0.0051 \pm 0.0003) \times 10^{-2}$; P: $(0.092 \pm 0.005) \times 10^{-2}$
GBW11118	煤中氯成分分析标准物质	Chlorine in coal	50g	$(0.010 \pm 0.002) \times 10^{-6}$
GBW11119	煤中氯成分分析标准物质	Chlorine in coal	50g	$(0.057 \pm 0.006) \times 10^{-6}$
GBW11120	煤中氯成分分析标准物质	Chlorine in coal	50g	$(0.110 \pm 0.006) \times 10^{-6}$
GBW11121	煤中氟成分分析标准物质	Fluorine in coal	50g	$(248 \pm 12) \times 10^{-6}$
GBW11122	煤中氟成分分析标准物质	Fluorine in coal	50g	$(864 \pm 16) \times 10^{-6}$
GBW11123	煤中氟成分分析标准物质	Fluorine in coal	50g	$(1496 \pm 20) \times 10^{-6}$
GBW11125	煤灰熔融性标准物质	Fusibility of coal ash	30g	半球温度(HT), 变形温度(DT), 流动 温度(FT), 软化温度(ST)
GBW11127	煤灰成分分析标准物质	Coal ash	30g	Al ₂ O ₃ , CaO, Fe ₂ O ₃ , K ₂ O, MgO, Na ₂ O, P ₂ O ₅ , SiO ₂ , SO ₃ , TiO ₂
GBW11128	煤灰成分分析标准物质	Coal ash	30g	Al ₂ O ₃ , CaO, Fe ₂ O ₃ , K ₂ O, MgO, Na ₂ O, P ₂ O ₅ , SiO ₂ , SO ₃ , TiO ₂
GBW11129	煤灰成分分析标准物质	Coal ash	30g	Al ₂ O ₃ , CaO, Fe ₂ O ₃ , K ₂ O, MgO, Na ₂ O, P ₂ O ₅ , SiO ₂ , SO ₃ , TiO ₂
GBW11130	煤灰成分分析标准物质	Coal ash	30g	Al ₂ O ₃ , CaO, Fe ₂ O ₃ , K ₂ O, MgO, Na ₂ O, P ₂ O ₅ , SiO ₂ , SO ₃ , TiO ₂
GBW11131	煤灰成分分析标准物质	Coal ash	30g	Al ₂ O ₃ , CaO, Fe ₂ O ₃ , K ₂ O, MgO, Na ₂ O, P ₂ O ₅ , SiO ₂ , SO ₃ , TiO ₂
GBW11132	煤灰成分分析标准物质	Coal ash	30g	Al ₂ O ₃ , CaO, Fe ₂ O ₃ , K ₂ O, MgO, Na ₂ O, P ₂ O ₅ , SiO ₂ , SO ₃ , TiO ₂
燃油 / Fuel Oil				
编号/Number	中文名称	Name	规格 /Units	特性量/Properties
GBW11203	柴油中硫标准物质	Sulphur in diesel oil	15mL	0.0517%, $U=2\%$
GBW(E)120015	车用无铅汽油辛烷值标准物	Octane index of gasoline(no	200mL	90.3(RON), $U=1.0$ (RON)

	质	lead)		
GBW(E)120016	车用无铅汽油辛烷值标准物质	Octane index of gasoline(no lead)	200mL	93.3(ROn), U=1.0(ROn)
GBW(E)120032	车用汽油辛烷值标准物质	Octane index of gasoline	200mL	94.8(ROn), U=1.0(ROn)
GBW(E)110047	闭口闪点标准物质	Flash point-closed cup	150mL	(70.8±4.0)℃
GBW(E)110048	闭口闪点标准物质	Flash point-closed cup	150mL	(80.8±2.4)℃
GBW(E)110049	闭口闪点标准物质	Flash point-closed cup	150mL	(110.5±5.4)℃
GBW(E)110050	闭口闪点标准物质	Flash point-closed cup	150mL	(142.2±4.4)℃
GBW(E)110051	闭口闪点标准物质	Flash point-closed cup	150mL	(161.4±4.2)℃
GBW(E)110052	闭口闪点标准物质	Flash point-closed cup	150mL	(158.6±4.6)℃
GBW(E)110053	开口闪点标准物质	Flash point-open cup	150mL	(116.8±6.6)℃
GBW(E)110054	开口闪点标准物质	Flash point-open cup	150mL	(139.3±4.4)℃
GBW(E)110055	开口闪点标准物质	Flash point-open cup	150mL	(165.8±5.2)℃
GBW(E)110056	开口闪点标准物质	Flash point-open cup	150mL	(228.2±8.0)℃
GBW13247	冷滤点标准物质	Reference Materials of Cold Filter Plugging Point	150mL	1.2℃,U= 2℃
GBW13248	冷滤点标准物质	Reference Materials of Cold Filter Plugging Point	150mL	-5.2℃,U= 2℃
GBW13249	冷滤点标准物质	Reference Materials of Cold Filter Plugging Point	150mL	-17.0℃,U= 2℃
GBW13250	冷滤点标准物质	Reference Materials of Cold Filter Plugging Point	150mL	-34℃,U= 3℃
GBW13242	倾点标准物质	Reference Materials of Pour Point	150mL	-2.1℃,U=3℃
GBW13243	倾点标准物质	Reference Materials of Pour Point	150mL	-15.7℃,U= 3℃
GBW13244	倾点标准物质	Reference Materials of Pour Point	150mL	-30.3℃,U= 3℃
GBW13245	浊点标准物质	Reference Materials of Cloud Point	150mL	0.9℃,U= 2℃
GBW13246	浊点标准物质	Reference Materials of Cloud Point	150mL	-17.4℃,U= 2℃
★GBW13251	甲苯馏程标准物质	CRM of Toluene for Distillation	500mL	50%回收温度认定值: 109.2℃, U= 0.6℃
★GBW13252	模拟汽油馏程标准物质	CRM of Synthetic Gasoline for Distillation	500mL	/
★GBW13253	柴油馏程标准物质	CRMs of Diesel for Distillation	250mL	/
★GBW13254	煤油馏程标准物质	CRMs of Kerosene for Distillation	250mL	/
★GBW 11207	异辛烷中锰元素标准物质	CRMs for Manganese in Isooctane	2 mL/ 安玻瓶	锰元素含量 1.61mg/kg, U=0.11mg/kg
★GBW 11208	异辛烷中锰元素标准物质	CRMs for Manganese in Isooctane	2 mL/ 安玻瓶	锰元素含量 8.8mg/kg, U=0.5mg/kg
★GBW 11209	异辛烷中铁元素标准物质	CRMs for Iron in Isooctane	2 mL/	铁元素含量 13.3mg/kg, U=0.9mg/kg

			安玻瓶	
★GBW 11210	异辛烷中铅元素标准物质	CRMs for Lead in Isooctane	2 mL/ 安玻瓶	铅元素含量 6.2mg/kg, U=0.5mg/kg
★GBW 11211	异辛烷中磷元素标准物质	CRMs for Phosphorus in Isooctane	7 mL/ 安玻瓶	磷元素含量 0.44mg/kg, U=0.05mg/kg
★GBW 11212	异辛烷中铜元素标准物质	CRMs for Copper in Isooctane	2 mL/ 安玻瓶	铜元素含量 1.35mg/kg, U=0.11mg/kg

5.建材/Building Materials

粘土

Clay

石灰岩

Limestone

石膏

Gypsum

硅质砂岩

Siliceous Sandstone

石墨矿

Graphite Ore

泥

Cement

其它

Others

粘土/Clay				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW03101	粘土成份分析标准物质	Clay	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , P ₂ O ₅ , MnO, L.O.I., Cl, [CO ₂], [H ₂ O ⁺], [FeO]
GBW03101a	粘土成分分析标准物质	Clay	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , P ₂ O ₅ , MnO, L.O.I., Cl, [CO ₂], [H ₂ O ⁺], [FeO]
GBW03102a	粘土成分分析标准物质	Clay	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , P ₂ O ₅ , MnO, L.O.I., Cl, [CO ₂], [H ₂ O ⁺], [FeO]
GBW03103	粘土成分分析标准物质	Clay	60g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , P ₂ O ₅ , MnO, L.O.I., Cl, [CO ₂], [H ₂ O ⁺], [FeO]
GBW03115	软质粘土成分分析标准物质	Plastic clay	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂
石灰岩/Limestone				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW03105a	石灰岩成分分析标准物质	Limestone	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , P ₂ O ₅ , MnO, L.O.I., Cl, fSiO ₂ , [CO ₂]
GBW03106a	石灰岩成分分析标准物质	Limestone	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , P ₂ O ₅ , MnO, L.O.I., Cl, fSiO ₂ , [CO ₂]
GBW03107a	石灰岩成分分析标准物质	Limestone	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , P ₂ O ₅ , MnO, L.O.I., Cl, fSiO ₂ , [CO ₂]
GBW03108a	石灰岩成分分析标准物质	Limestone	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , P ₂ O ₅ , MnO, L.O.I., Cl, fSiO ₂ , [CO ₂]
石膏/Gypsum				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW03109	石膏成份分析标准物质	Gypsum	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , H ₂ O ⁺ , Cl, L.O.I., [CO ₂], [SrO]
GBW03109a	石膏成分分析标准物质	Gypsum	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , H ₂ O ⁺ , Cl, L.O.I., [CO ₂], [SrO]

GBW03110	石膏成分分析标准物质	Gypsum	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , H ₂ O ⁺ , Cl, L.O.I., [CO ₂], [SrO]
GBW03111a	石膏成分分析标准物质	Gypsum	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , H ₂ O ⁺ , Cl, L.O.I., [CO ₂], [SrO]

硅质砂岩/Siliceous Sandstone

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW03112	硅质砂岩成分分析标准物质	Siliceous sandstone	60g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, TiO ₂ , K ₂ O, Na ₂ O, Cr ₂ O ₃ , L.O.I., [P ₂ O ₅], [MnO]
GBW03113	硅质砂岩成分分析标准物质	Siliceous sandstone	60g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, TiO ₂ , K ₂ O, Na ₂ O, Cr ₂ O ₃ , L.O.I., [P ₂ O ₅], [MnO]
GBW03114	硅质砂岩成分分析标准物质	Siliceous sandstone	60g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, TiO ₂ , K ₂ O, Na ₂ O, Cr ₂ O ₃ , L.O.I., [P ₂ O ₅], [MnO]

石墨矿/Graphite Ore

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW03118	石墨矿成分分析标准物质	Graphite ore	50g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , P ₂ O ₅ , MnO, CO ₂ , S, H ₂ O ⁺ , fixed carbon
GBW03119	石墨矿成分分析标准物质	Graphite ore	50g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , P ₂ O ₅ , MnO, CO ₂ , S, H ₂ O ⁺ , fixed carbon
GBW03120	石墨矿成分分析标准物质	Graphite ore	50g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , P ₂ O ₅ , MnO, CO ₂ , S, H ₂ O ⁺ , fixed carbon, ash, volatile matter

水泥/Cement

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW03201b	硅酸盐水泥成分分析标准物质	Portland cement	25g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , L.O.I., insoluble matter
GBW03202	水泥黑生料成分分析标准物质	Cement black raw meal	20g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , L.O.I.
GBW03203a	水泥生料成分分析标准物质	Cement raw meal	20g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , L.O.I.
GBW03204a	水泥熟料成分分析标准物质	Cement clinker	20g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , L.O.I., insoluble matter
GBW03205b	普通硅酸盐水泥成分分析标准物质	Ordinary portland cement	20g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , L.O.I.
GBW03206	火山灰质硅酸盐水泥成分分析标准物质	Portland-pozzolana cement	20g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , L.O.I.

GBW03207	矿渣硅酸盐水泥成分分析标准物质	Portland blastfurnace-slag cement	20g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , L.O.I.
GBW03208	粉煤灰硅酸盐水泥成分分析标准物质	Portland fly-ash cement	20g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , L.O.I., insoluble matter
其它/Others				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW03121	高岭土成分分析标准物质	Kaolin	50g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , P ₂ O ₅ , MnO, L.O.I., H ₂ O ⁺ , [CO ₂], [FeO]
GBW03122	高岭土成分分析标准物质	Kaolin	50g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , P ₂ O ₅ , MnO, L.O.I., H ₂ O ⁺ , [CO ₂], [FeO]
GBW03117	钠钙硅玻璃成分分析标准物质	Soda-lime-silica glass	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , TiO ₂ , CaO, MgO, K ₂ O, Na ₂ O, L.O.I., SO ₃
GBW03132	硼硅酸盐玻璃成分分析标准物质	Borosilicate glass	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , B ₂ O ₅ , L.O.I., F
GBW03124	霞石正长岩成分分析标准物质	Nepheline syenite	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , FeO, TiO ₂ , CaO, MgO, K ₂ O, Na ₂ O, P ₂ O ₅ , MnO, L.O.I., H ₂ O ⁺ , [S]
GBW03125	霞石正长岩成分分析标准物质	Nepheline syenite	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , P ₂ O ₅ , MnO, CO ₂ , H ₂ O ⁺ , FeO, [S]
GBW03126	叶腊石成分分析标准物质	Pyrophyllite	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , P ₂ O ₅ , MnO, L.O.I., H ₂ O ⁺
GBW03127	叶腊石成分分析标准物质	Pyrophyllite	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , P ₂ O ₅ , MnO, L.O.I., H ₂ O ⁺
GBW03128	水镁石成分分析标准物质	Brucite	50g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, P ₂ O ₅ , MnO, CO ₂ , [H ₂ O ⁺]
GBW03129	水镁石成分分析标准物质	Brucite	50g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, P ₂ O ₅ , MnO, CO ₂ , [H ₂ O ⁺]
GBW03116	钾长石成分分析标准物质	Potassium feldspar	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , L.O.I.
GBW03134	钠长石成分分析标准物质	Albite	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , L.O.I.
GBW03130	滑石成分分析标准物质	Steatite	30g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , TiO ₂ , CaO, MgO, K ₂ O, Na ₂ O, P ₂ O ₅ , MnO, CO ₂ , L.O.I., H ₂ O ⁺ , [A.U.M]
GBW03131	滑石成分分析标准物质	Steatite	30g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , TiO ₂ , CaO, MgO, K ₂ O, Na ₂ O, P ₂ O ₅ , MnO, CO ₂ , L.O.I., H ₂ O ⁺ , [A.U.M]
GBW03104	页岩成分分析标准物质	Shale	60g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , SO ₃ , P ₂ O ₅ , MnO, L.O.I., Cl, CO ₂ , [H ₂ O ⁺], [FeO]
GBW03123	硅灰石成分分析标准物质	Wollastonite	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , P ₂ O ₅ , MnO, L.O.I., FeO, [S]
GBW03133	矾土成分分析标准物质	Bauxite	50g	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , TiO ₂ , CaO, MgO, K ₂ O, Na ₂ O, L.O.I.

6.农业及环境/Agriculture and Environment

河流、海洋沉积物

Stream Sediment

土壤

Soil

电子电气产品限令

Restricted Hazardous Substances

河流、海洋沉积物/Stream Sediment

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW07301a	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ag, As, B, Ba, Be, Bi, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, L.O.I., [Br], [FeO], [In], [S], [H ₂ O ⁺], [CO ₂], [Org.C], [TC]
GBW07302	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, Ba, Be, Bi, Br, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I,La, Li, Mn, Mo, N,Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, FeO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , [B], [Cl], [In], [Lu], [CO ₂], [Org.C], [Sn], [S], [Sr], [TC]
GBW07302a	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ag, As, B, Ba, Be, Bi, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hg, Ho, La, Li, Lu, Mn, Mo, N, Nb, Nd, Ni, Pb, Pr, Rb, , S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, Org.C, [Br], [Hf], [P], [Te], [FeO], [In], [H ₂ O ⁺], [CO ₂], [TC]
GBW07303a	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Mo, N, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , [CO ₂], [Cl], [Org.C], [S], [Te], [FeO],[TC]
GBW07304a	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hg, Hf, Ho, In, La, Li, Lu, Mn, Mo, N, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, Org.C, TC, [Te], [FeO], [H ₂ O ⁺], [CO ₂]

GBW07305	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sn, Sr, Ta, S, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, CO ₂ , [H ₂ O ⁺], [Org.C], [FeO], [TC]
GBW07306	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sn, Sr, Ta, S, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , CO ₂ , [Org.C], [Te], [TC]
GBW07307a	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Mo, N, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Sm, Sn, Sr, Ta, S, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , [CO ₂], [Org.C], [Br], [Se], [Te], [FeO], [TC]
GBW07308a	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, I, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , [CO ₂], [Org.C], [S], [In], [Cl], [N], [Te], [TC]
GBW07309	水系沉积物成分分析标准物质	Stream sediments	70g	TFe ₂ O ₃ , Ag, As, Ba, Be, Bi, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , CO ₂ , Org.C, L.O.I., B, [Au], [Br], [Cl], [Te], [I]

GBW07311	水系沉积物成分分析标准物质	Stream Sediments	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , [CO ₂], [Org.C], [L.O.I.], [Au], [Br], [Te], [FeO]
GBW07312	水系沉积物成分分析标准物质	Stream Sediments	70g	TFe ₂ O ₃ , Ti, Ag, As, Ba, Be, Bi, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , L.O.I., B, [Au], [Br], [Cl], [CO ₂], [Org.C]
GBW07317	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Ce, Co, Br, I, N, Cs, Cu, Dy, Er, Eu, Ga, Gd, Ge, Hf, Hg, Ho, La, Li, Lu, Mn, Mo, Nb, Nd, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sr, Tb, Th, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, L.O.I., Org.C, [F], [Cd], [Cl], [Cr], [In], [S], [Ni], [Sn], [Ta], [Tl], [H ₂ O ⁺], [CO ₂], [FeO]
GBW07318	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Ce, Co, Cr, F, Br, I, N, Cs, Cu, Dy, Er, Eu, Ga, Gd, Ge, Hf, Hg, Ho, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Sm, Sr, Ta, Tb, Th, Ti, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, L.O.I., Org.C, [Cd], [Cl], [In], [Se], [Sn], [S], [Tl], [FeO], [H ₂ O ⁺], [CO ₂]
GBW07358	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sn, Sr, Ta, S, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , Org.C, [CO ₂], [N], [Te], [FeO], [TC]

GBW07359	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Ho, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sn, Sr, Ta, S, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, H ₂ O ⁺ , [Hg], [CO ₂], [Org.C], [N], [Te], [FeO], [TC]
GBW07360	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Mo, N, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sn, Sr, Ta, S, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, TC, [H ₂ O ⁺],[CO ₂], [Org.C], [Te], [FeO]
GBW07361	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, La, Li, Lu, Mn, Mo, N, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sr, Ta, S, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, Org.CTC, [H ₂ O ⁺],[CO ₂], [TC], [Te], [FeO], [Sn], [Cl], [In]
GBW07362	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Ho, In, La, Li, Lu, Mn, Mo, N, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sn, Sr, Ta, S, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, TC, H ₂ O ⁺ ,CO ₂ , Org.C, [Te], [FeO], [Hg]
GBW07363	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hg, Ho, In, La, Li, Lu, Mn, Mo, N, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, CO ₂ , Org.C, TC, [H ₂ O ⁺],[Te], [FeO], [Hf], [S]

GBW07364	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, CO ₂ , Org.C, [TC], [H ₂ O ⁺],[Te], [FeO], [Br], [N]
GBW07365	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Mo, N, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, CO ₂ , Org.C, TC, [H ₂ O ⁺],[Te], [FeO], [S]
GBW07366	水系沉积物成分分析标准物质	Stream sediment	70g	TFe ₂ O ₃ , Ti, Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Mo, N, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, Org.C, TC, [CO ₂], [H ₂ O ⁺],[Te], [FeO]
GBW07423	湖积物成分分析标准物质	Lake Deposit	70g	Ag, Al ₂ O ₃ , As, B, Ba, Be, Bi, CaO, Ce, Co, CO ₂ , Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, K ₂ O, La, Li, Lu, MgO, Mn, Mo, Na ₂ O, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, SiO ₂ , Sm, Sn, Sr, Ta, Tb, TFe ₂ O ₃ , Th, Ti, Tm, U, V, W, Y, Yb, Zn, Zr, [Cd], [Cl], [Te], [In], [Tl], [FeO], [H ₂ O ⁺], [L.O.I.]
GBW08301	河流沉积物成分分析标准物质	River sediments	50g	As, Ba, Cd, Co, Cr, Cu, Fe, Hg, Mn, Pb, Se, [V], [Zn], [Be], [Ni]
GBW07321	西藏地区沉积物成分分析标准物质	Stream sediment in tibet area	60g	Ag, As, B, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Sr, Ta, Te, TFe ₂ O ₃ , TiO ₂ , Hf, Hg, Li, Mn, Mo, MnO, SiO ₂ , P ₂ O ₅ , CaO, K ₂ O, Al ₂ O ₃ , Ce, Nd, Lu, Zn, Gd, Pr, La, Ho, Y, Zr, Sm, Er, MgO, Eu, Tb, Yb, Au, W, Dy, V, Tm, Sb, Se, Sc, Rb, P, Ti, Pb, Sn, Nb, Ni, Tl, U, Th, Na ₂ O, [S], [Pd], [In], [I], [Pt]

GBW07322	西藏地区沉积物成分分析标准物质	Stream sediment in tibet area	60g	Ag, As, B, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Sr, Ta, Te, TFe ₂ O ₃ , TiO ₂ , Hf, Hg, Li, Mn, Mo, MnO, SiO ₂ , P ₂ O ₅ , CaO, K ₂ O, Al ₂ O ₃ , Ce, Nd, Lu, Zn, Gd, Pr, La, Ho, Y, Zr, Sm, Er, MgO, Eu, Tb, Yb, Au, W, Dy, V, Tm, Sb, Se, Sc, Rb, P, Ti, Pb, Sn, Nb, Ni, Tl, U, Th, Na ₂ O, [S], [Pd], [In], [I], [Pt]
GBW07323	西藏地区沉积物成分分析标准物质	Stream sediment in tibet area	60g	Ag, As, B, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Sr, Ta, Te, TFe ₂ O ₃ , TiO ₂ , Hf, Hg, Li, Mn, Mo, MnO, SiO ₂ , P ₂ O ₅ , CaO, K ₂ O, Al ₂ O ₃ , Ce, Nd, Lu, Zn, Gd, Pr, La, Ho, Y, Zr, Sm, Er, MgO, Eu, Tb, Yb, Au, W, Dy, V, Tm, Sb, Se, Sc, Rb, P, Ti, Pb, Sn, Nb, Ni, Tl, U, Th, Na ₂ O, [S], [Pd], [In], [I], [Pt]
GBW07324	西藏地区沉积物成分分析标准物质	Stream sediment in tibet area	60g	Ag, As, B, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Sr, Ta, Te, TFe ₂ O ₃ , TiO ₂ , Hf, Hg, Li, Mn, Mo, MnO, SiO ₂ , P ₂ O ₅ , CaO, K ₂ O, Al ₂ O ₃ , Ce, Nd, Lu, Zn, Gd, Pr, La, Ho, Y, Zr, Sm, Er, MgO, Eu, Tb, Yb, Au, W, Dy, V, Tm, Sb, Se, Sc, Rb, P, Ti, Pb, Sn, Nb, Ni, Tl, U, Th, Na ₂ O, [S], [Pd], [In], [I], [Pt]
GBW07325	西藏地区沉积物成分分析标准物质	Stream sediment in tibet area	60g	Ag, As, B, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Sr, Ta, Te, TFe ₂ O ₃ , TiO ₂ , Hf, Hg, Li, Mn, Mo, MnO, SiO ₂ , P ₂ O ₅ , CaO, K ₂ O, Al ₂ O ₃ , Ce, Nd, Lu, Zn, Gd, Pr, La, Ho, Y, Zr, Sm, Er, MgO, Eu, Tb, Yb, Au, W, Dy, V, Tm, Sb, Se, Sc, Rb, P, Ti, Pb, Sn, Nb, Ni, Tl, U, Th, Na ₂ O, [S], [Pd], [In], [I], [Pt]
GBW07326	西藏地区沉积物成分分析标准物质	Stream sediment in tibet area	60g	Ag, As, B, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Sr, Ta, Te, TFe ₂ O ₃ , TiO ₂ , Hf, Hg, Li, Mn, Mo, MnO, SiO ₂ , P ₂ O ₅ , CaO, K ₂ O, Al ₂ O ₃ , Ce, Nd, Lu, Zn, Gd, Pr, La, Ho, Y, Zr, Sm, Er, MgO, Eu, Tb, Yb, Au, W, Dy, V, Tm, Sb, Se, Sc, Rb, P, Ti, Pb, Sn, Nb, Ni, Tl, U, Th, Na ₂ O, [S], [Pd], [In], [I], [Pt]

GBW07327	西藏地区沉积物成分分析标准物质	Stream sediment in tibet area	60g	Ag, As, B, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Sr, Ta, Te, TFe ₂ O ₃ , TiO ₂ , Hf, Hg, Li, Mn, Mo, MnO, SiO ₂ , P ₂ O ₅ , CaO, K ₂ O, Al ₂ O ₃ , Ce, Nd, Lu, Zn, Gd, Pr, La, Ho, Y, Zr, Sm, Er, MgO, Eu, Tb, Yb, Au, W, Dy, V, Tm, MgO, Sb, Se, Sc, Rb, P, Ti, Pb, Sn, Nb, Ni, Tl, U, Th, Na ₂ O, MnO, [S], [Pd], [In], [I], [Pt]
GBW07328	西藏地区沉积物成分分析标准物质	Stream sediment in tibet area	60g	Ag, As, B, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Sr, Ta, Te, TFe ₂ O ₃ , TiO ₂ , Hf, Hg, Li, Mn, Mo, MnO, SiO ₂ , P ₂ O ₅ , CaO, K ₂ O, Al ₂ O ₃ , Ce, Nd, Lu, Zn, Gd, Pr, La, Ho, Y, Zr, Sm, Er, MgO, Eu, Tb, Yb, Au, W, Dy, V, Tm, MgO, Sb, Se, Sc, Rb, P, Ti, Pb, Sn, Nb, Ni, Tl, U, Th, Na ₂ O, MnO, [S], [Pd], [In], [I], [Pt]
GBW07329	西藏地区沉积物成分分析标准物质	Stream sediment in tibet area	60g	Ag, As, B, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Sr, Ta, Te, TFe ₂ O ₃ , TiO ₂ , Hf, Hg, Li, Mn, Mo, MnO, SiO ₂ , P ₂ O ₅ , CaO, K ₂ O, Al ₂ O ₃ , Ce, Nd, Lu, Zn, Gd, Pr, La, Ho, Y, Zr, Sm, Er, MgO, Eu, Tb, Yb, Au, W, Dy, V, Tm, MgO, Sb, Se, Sc, Rb, P, Ti, Pb, Sn, Nb, Ni, Tl, U, Th, Na ₂ O, MnO, [S], [Pd], [In], [I], [Pt]
GBW07330	西藏地区沉积物成分分析标准物质	Stream sediment in tibet area	60g	Ag, As, B, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Sr, Ta, Te, TFe ₂ O ₃ , TiO ₂ , Hf, Hg, Li, Mn, Mo, MnO, SiO ₂ , P ₂ O ₅ , CaO, K ₂ O, Al ₂ O ₃ , Ce, Nd, Lu, Zn, Gd, Pr, La, Ho, Y, Zr, Sm, Er, MgO, Eu, Tb, Yb, Au, W, Dy, V, Tm, MgO, Sb, Se, Sc, Rb, P, Ti, Pb, Sn, Nb, Ni, Tl, U, Th, Na ₂ O, MnO, [S], [Pd], [In], [I], [Pt]
GBW07331	西藏地区沉积物成分分析标准物质	Stream sediment in tibet area	60g	Ag, As, B, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Sr, Ta, Te, TFe ₂ O ₃ , TiO ₂ , Hf, Hg, Li, Mn, Mo, MnO, SiO ₂ , P ₂ O ₅ , CaO, K ₂ O, Al ₂ O ₃ , Ce, Nd, Lu, Zn, Gd, Pr, La, Ho, Y, Zr, Sm, Er, MgO, Eu, Tb, Yb, Au, W, Dy, V, Tm, MgO, Sb, Se, Sc, Rb, P, Ti, Pb, Sn, Nb, Ni, Tl, U, Th, Na ₂ O, MnO, [S], [Pd], [In], [I], [Pt]

GBW07332	西藏地区沉积物成分分析标准物质	Stream sediment in tibet area	60g	Ag, As, B, Ba, Be, Bi, Br, Cd, Cl, Co, Cr, Cs, Cu, F, Ga, Ge, Hf, Hg, Sr, Ta, Te, TFe ₂ O ₃ , TiO ₂ , Hf, Hg, Li, Mn, Mo, MnO, SiO ₂ , P ₂ O ₅ , CaO, K ₂ O, Al ₂ O ₃ , Ce, Nd, Lu, Zn, Gd, Pr, La, Ho, Y, Zr, Sm, Er, MgO, Eu, Tb, Yb, Au, W, Dy, V, Tm, MgO, Sb, Se, Sc, Rb, P, Ti, Pb, Sn, Nb, Ni, Tl, U, Th, Na ₂ O, MnO, [S], [Pd], [In], [I], [Pt]
GBW07462	湖泊沉积物中磷形态标准物质	Certified Reference Material of Phosphorus Speciation in Lake Sediments	30g	总磷, 无机磷, 有机磷, 磷灰石态磷, 非磷灰石态磷
GBW07463	湖泊沉积物中磷形态标准物质	Certified Reference Material of Phosphorus Speciation in Lake Sediments	30g	总磷, 无机磷, 有机磷, 磷灰石态磷, 非磷灰石态磷

土壤/Soil

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW07409	土壤成分分析标准物质	Soil	100g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, N, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, Org.C, [Au], [Br], [Te], [FeO], [H ₂ O ⁺], [CO ₂], [L.O.I].
GBW07409-1	土壤成分分析标准物质	Soils	50g	Ag, As, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tm, U, V, W, Y, Yb, Zn, Zr, N, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, Org.C, [Au], [B], [Te], [Tl], [FeO], [H ₂ O ⁺], [CO ₂], [L.O.I].

GBW07410	土壤成分分析标准物质	Soil	100g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, N, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, Org.C, [Au], [Br], [Cl], [In], [H ₂ O ⁺], [CO ₂], [L.O.I.].
GBW07410-1	土壤成分分析标准物质	Soils	50g	Ag, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cs, Cu, Eu, F, Ga, Gd, Hg, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Rb, Sb, Sc, Se, Sm, Sn, Sr, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, Fe ₂ O ₃ , [Dy], [Ge], [Br], [Cl], [Er], [Ho], [I], [In], [Pr], [S], [Te], [N]
GBW07424	土壤成份分析标准物质	Soil	70g	Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, MnO, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb(DA), Sb(T), Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, N, Ti, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, Corg., [Re], [Sb(T)], [FeO], [H ₂ O ⁺], [CO ₂]
GBW07425	土壤成份分析标准物质	Soil	70g	Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, MnO, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb(DA), Sb(T), Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, N, Ti, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, Corg., [Sb(T)], [FeO], [H ₂ O ⁺], [CO ₂]
GBW07426	土壤成份分析标准物质	Soil	70g	Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, MnO, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb(DA), Sb(T), Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, N, Ti, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, CO ₂ , [Corg.], [Cl], [Sb(T)], [H ₂ O ⁺]

GBW07427	土壤成份分析标准物质	Soil	70g	Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, MnO, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Sb(DA), Sb(T), Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, N, Ti, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, CO ₂ , Corg., [Re], [S], [Sb(T)], [H ₂ O ⁺]
GBW07428	土壤成份分析标准物质	Soil	70g	Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, MnO, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb(DA), Sb(T), Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, N, Ti, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, Corg., [Sb(T)], [FeO], [H ₂ O ⁺], [CO ₂]
GBW07429	土壤成份分析标准物质	Soil	70g	Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, MnO, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, S, Sb(DA), Sb(T), Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, N, Ti, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, Corg., [Re], [Sb(T)], [H ₂ O ⁺], [Te], [CO ₂]
GBW07412a	土壤有效态成分分析标准物质(辽宁棕壤)	Available nutrients in soil	500g	pH, 有机质(Organic matter), 全氮(Total N), 水解性氮(Hydrolyzable N), 有效磷(Available P), 速效钾(Rapid available K), 缓效钾(Slow available K), 有效硫(Available S), 有效硅(Available Si), 阳离子交换量(Cation exchange capacity), 交换性钙(Exchangeable Ca), 交换性镁(Exchangeable Mg), 交换性钠(Exchangeable Na), 交换性钾(Exchangeable K), 交换性锰(Exchangeable Mn), 水溶性盐(Water-soluble salts) (Total, Cl ⁻ , SO ₄ ²⁻ , Ca ²⁺ , Mg ²⁺ , K ⁺ , Na ⁺), 有效铜(Available Cu), 有效锌(Available Zn), 有效铁(Available Fe), 有效锰(Available Mn), 有效镉(Available Cd), 有效铅(Available Pb), 有效镍(Available Ni), 有效铬(Available Cr), 有效砷(Available As), 有效硒(Available Se), 有效钴(Available Co), 有效钼(Available Mo), 有效硼(Available B), 水溶态硒(Water-soluble Se), 水溶态氟(Water-soluble F)

GBW07413a	土壤有效态成分分析标准物质(河南黄潮土)	Available nutrients in soil	500g	pH, 有机质 (Organic matter), 全氮 (Total N), 水解性氮 (Hydrolyzable N), 有效磷 (Available P), 速效钾 (Rapid available K), 缓效钾 (Slow available K), 有效硫 (Available S), 有效硅 (Available Si), 阳离子交换量 (Cation exchange capacity), 交换性钙 (Exchangeable Ca), 交换性镁 (Exchangeable Mg), 交换性钠 (Exchangeable Na), 交换性钾 (Exchangeable K), 交换性锰 (Exchangeable Mn), 水溶性盐 (Water-soluble salts) (Total, Cl ⁻ , SO ₄ ²⁻ , Ca ²⁺ , Mg ²⁺ , K ⁺ , Na ⁺), 有效铜 (Available Cu), 有效锌 (Available Zn), 有效铁 (Available Fe), 有效锰 (Available Mn), 有效镉 (Available Cd), 有效铅 (Available Pb), 有效镍 (Available Ni), 有效铬 (Available Cr), 有效砷 (Available As), 有效硒 (Available Se), 有效钴 (Available Co), 有效钼 (Available Mo), 有效硼 (Available B), 水溶态硒 (Water-soluble Se), 水溶态氟 (Water-soluble F)
GBW07414a	土壤有效态成分分析标准物质(四川紫色土)	Available nutrients in soil	500g	pH, 有机质 (Organic matter), 全氮 (Total N), 水解性氮 (Hydrolyzable N), 有效磷 (Available P), 速效钾 (Rapid available K), 缓效钾 (Slow available K), 有效硫 (Available S), 有效硅 (Available Si), 阳离子交换量 (Cation exchange capacity), 交换性钙 (Exchangeable Ca), 交换性镁 (Exchangeable Mg), 交换性钠 (Exchangeable Na), 交换性钾 (Exchangeable K), 交换性锰 (Exchangeable Mn), 水溶性盐 (Water-soluble salts) (Total, Cl ⁻ , SO ₄ ²⁻ , Ca ²⁺ , Mg ²⁺ , K ⁺ , Na ⁺), 有效铜 (Available Cu), 有效锌 (Available Zn), 有效铁 (Available Fe), 有效锰 (Available Mn), 有效镉 (Available Cd), 有效铅 (Available Pb), 有效镍 (Available Ni), 有效铬 (Available Cr), 有效砷 (Available As), 有效硒 (Available Se), 有效钴 (Available Co), 有效钼 (Available Mo), 有效硼 (Available B), 水溶态硒 (Water-soluble Se), 水溶态氟 (Water-soluble F)

GBW07415a	土壤有效态成分分析标准物质(湖北水稻土)	Available nutrients in soil	500g	pH, 有机质 (Organic matter), 全氮 (Total N), 水解性氮 (Hydrolyzable N), 有效磷 (Available P), 速效钾 (Rapid available K), 缓效钾 (Slow available K), 有效硫 (Available S), 有效硅 (Available Si), 阳离子交换量 (Cation exchange capacity), 交换性钙 (Exchangeable Ca), 交换性镁 (Exchangeable Mg), 交换性钠 (Exchangeable Na), 交换性钾 (Exchangeable K), 交换性锰 (Exchangeable Mn), 水溶性盐 (Water-soluble salts) (Total, Cl ⁻ , SO ₄ ²⁻ , Ca ²⁺ , Mg ²⁺ , K ⁺ , Na ⁺), 有效铜 (Available Cu), 有效锌 (Available Zn), 有效铁 (Available Fe), 有效锰 (Available Mn), 有效镉 (Available Cd), 有效铅 (Available Pb), 有效镍 (Available Ni), 有效铬 (Available Cr), 有效砷 (Available As), 有效硒 (Available Se), 有效钴 (Available Co), 有效钼 (Available Mo), 有效硼 (Available B), 水溶态硒 (Water-soluble Se), 水溶态氟 (Water-soluble F)
GBW07416a	土壤有效态成分分析标准物质(江西红壤)	Available nutrients in soil	500g	pH, 有机质 (Organic matter), 全氮 (Total N), 水解性氮 (Hydrolyzable N), 有效磷 (Available P), 速效钾 (Rapid available K), 缓效钾 (Slow available K), 有效硫 (Available S), 有效硅 (Available Si), 阳离子交换量 (Cation exchange capacity), 交换性钙 (Exchangeable Ca), 交换性镁 (Exchangeable Mg), 交换性钠 (Exchangeable Na), 交换性钾 (Exchangeable K), 交换性锰 (Exchangeable Mn), 水溶性盐 (Water-soluble salts) (Total, Cl ⁻ , SO ₄ ²⁻ , Ca ²⁺ , Mg ²⁺ , K ⁺ , Na ⁺), 有效铜 (Available Cu), 有效锌 (Available Zn), 有效铁 (Available Fe), 有效锰 (Available Mn), 有效镉 (Available Cd), 有效铅 (Available Pb), 有效镍 (Available Ni), 有效铬 (Available Cr), 有效砷 (Available As), 有效硒 (Available Se), 有效钴 (Available Co), 有效钼 (Available Mo), 有效硼 (Available B), 水溶态硒 (Water-soluble Se), 水溶态氟 (Water-soluble F)

GBW07458	土壤有效态成分分析标准物质（黑龙江黑土）	Available nutrients in soil	500g	pH, 有机质 (Organic matter), 全氮 (Total N), 水解性氮 (Hydrolyzable N), 有效磷 (Available P), 速效钾 (Rapid available K), 缓效钾 (Slow available K), 有效硫 (Available S), 有效硅 (Available Si), 阳离子交换量 (Cation exchange capacity), 交换性钙 (Exchangeable Ca), 交换性镁 (Exchangeable Mg), 交换性钠 (Exchangeable Na), 交换性钾 (Exchangeable K), 交换性锰 (Exchangeable Mn), 水溶性盐 (Water-soluble salts) (Total, Cl ⁻ , SO ₄ ²⁻ , Ca ²⁺ , Mg ²⁺ , K ⁺ , Na ⁺), 有效铜 (Available Cu), 有效锌 (Available Zn), 有效铁 (Available Fe), 有效锰 (Available Mn), 有效镉 (Available Cd), 有效铅 (Available Pb), 有效镍 (Available Ni), 有效铬 (Available Cr), 有效砷 (Available As), 有效硒 (Available Se), 有效钴 (Available Co), 有效钼 (Available Mo), 有效硼 (Available B), 水溶态硒 (Water-soluble Se), 水溶态氟 (Water-soluble F)
GBW07459	土壤有效态成分分析标准物质（新疆灰钙土）	Available nutrients in soil	500g	pH, 有机质 (Organic matter), 全氮 (Total N), 水解性氮 (Hydrolyzable N), 有效磷 (Available P), 速效钾 (Rapid available K), 缓效钾 (Slow available K), 有效硫 (Available S), 有效硅 (Available Si), 阳离子交换量 (Cation exchange capacity), 交换性钙 (Exchangeable Ca), 交换性镁 (Exchangeable Mg), 交换性钠 (Exchangeable Na), 交换性钾 (Exchangeable K), 交换性锰 (Exchangeable Mn), 水溶性盐 (Water-soluble salts) (Total, Cl ⁻ , SO ₄ ²⁻ , Ca ²⁺ , Mg ²⁺ , K ⁺ , Na ⁺), 有效铜 (Available Cu), 有效锌 (Available Zn), 有效铁 (Available Fe), 有效锰 (Available Mn), 有效镉 (Available Cd), 有效铅 (Available Pb), 有效镍 (Available Ni), 有效铬 (Available Cr), 有效砷 (Available As), 有效硒 (Available Se), 有效钴 (Available Co), 有效钼 (Available Mo), 有效硼 (Available B), 水溶态硒 (Water-soluble Se), 水溶态氟 (Water-soluble F)

GBW07460	土壤有效态成分分析标准物质(陕西黄绵土)	Available nutrients in soil	500g	pH, 有机质 (Organic matter), 全氮 (Total N), 水解性氮 (Hydrolyzable N), 有效磷 (Available P), 速效钾 (Rapid available K), 缓效钾 (Slow available K), 有效硫 (Available S), 有效硅 (Available Si), 阳离子交换量 (Cation exchange capacity), 交换性钙 (Exchangeable Ca), 交换性镁 (Exchangeable Mg), 交换性钠 (Exchangeable Na), 交换性钾 (Exchangeable K), 交换性锰 (Exchangeable Mn), 水溶性盐 (Water-soluble salts) (Total, Cl ⁻ , SO ₄ ²⁻ , Ca ²⁺ , Mg ²⁺ , K ⁺ , Na ⁺), 有效铜 (Available Cu), 有效锌 (Available Zn), 有效铁 (Available Fe), 有效锰 (Available Mn), 有效镉 (Available Cd), 有效铅 (Available Pb), 有效镍 (Available Ni), 有效铬 (Available Cr), 有效砷 (Available As), 有效硒 (Available Se), 有效钴 (Available Co), 有效钼 (Available Mo), 有效硼 (Available B), 水溶态硒 (Water-soluble Se), 水溶态氟 (Water-soluble F)
GBW07461	土壤有效态成分分析标准物质(安徽潮土)	Available nutrients in soil	500g	pH, 有机质 (Organic matter), 全氮 (Total N), 水解性氮 (Hydrolyzable N), 有效磷 (Available P), 速效钾 (Rapid available K), 缓效钾 (Slow available K), 有效硫 (Available S), 有效硅 (Available Si), 阳离子交换量 (Cation exchange capacity), 交换性钙 (Exchangeable Ca), 交换性镁 (Exchangeable Mg), 交换性钠 (Exchangeable Na), 交换性钾 (Exchangeable K), 交换性锰 (Exchangeable Mn), 水溶性盐 (Water-soluble salts) (Total, Cl ⁻ , SO ₄ ²⁻ , Ca ²⁺ , Mg ²⁺ , K ⁺ , Na ⁺), 有效铜 (Available Cu), 有效锌 (Available Zn), 有效铁 (Available Fe), 有效锰 (Available Mn), 有效镉 (Available Cd), 有效铅 (Available Pb), 有效镍 (Available Ni), 有效铬 (Available Cr), 有效砷 (Available As), 有效硒 (Available Se), 有效钴 (Available Co), 有效钼 (Available Mo), 有效硼 (Available B), 水溶态硒 (Water-soluble Se), 水溶态氟 (Water-soluble F)

GBW07446	土壤成分分析标准物质(内蒙古沙化土)	Soil (sandy soil from Neimenggu)		Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, TC, [S], [Te], [H ₂ O ⁺], [CO ₂], [C _{Org}]
GBW07447	土壤成分分析标准物质(内蒙古盐碱土)	Soil (saline-alkali soil from Meimenggu)		Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, TC, [S], [Te], [H ₂ O ⁺], [CO ₂], [C _{Org}]
GBW07448	土壤成分分析标准物质(青海棕漠土)	Soil (brown desert soil from Qinghai)		Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, TC, [S], [Te], [H ₂ O ⁺], [CO ₂], [C _{Org}]
GBW07449	土壤成分分析标准物质(新疆盐碱土)	Soil (saline-alkali soil from Xinjiang)		Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, TC, [S], [Te], [H ₂ O ⁺], [CO ₂], [C _{Org}]
GBW07450	土壤成分分析标准物质(新疆灰钙土)	Soil (sierozem from Xinjiang)		Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, TC, [S], [Te], [H ₂ O ⁺], [CO ₂], [C _{Org}]

GBW07451	土壤成分分析标准物质(黄海滩涂沉积物)	Soil (tidal flat sediment near the Yellow Sea)		Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, TC, [S], [Te], [H ₂ O ⁺], [CO ₂], [C _{org}]
GBW07452	土壤成分分析标准物质(象山东海滩涂沉积物)	Soil (tidal flat sediment near Xiangshan, the the East China Sea)		Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, TC, [S], [Te], [H ₂ O ⁺], [CO ₂], [C _{org}]
GBW07453	土壤成分分析标准物质(南海滩涂沉积物)	Soil (tidal flat sediment near theSouth China Sea)		Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, TC, [S], [Te], [H ₂ O ⁺], [CO ₂], [C _{org}]
GBW07454	土壤成分分析标准物质(洛川黄土)	Soil (loess soil from Luochuan)		Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, TC, [S], [Te], [H ₂ O ⁺], [CO ₂], [C _{org}]
GBW07455	土壤成分分析标准物质(淮河沉积物)	Soil (sediment from the Huaihe River)		Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, TC, [S], [Te], [H ₂ O ⁺], [CO ₂], [C _{org}]

GBW07456	土壤成分分析标准物质(长江沉积物)	Soil (sediment from the the Yangtse River)		Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, TC, [S], [Te], [H ₂ O ⁺], [CO ₂], [C _{Org}]
GBW07457	土壤成分分析标准物质(湘江沉积物)	Soil (sediment from the the Xiangjiang River)		Ag, As, B, Ba, Be, Bi, Br, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, F, Ga, Gd, Ge, Hf, Hg, Ho, I, In, La, Li, Lu, Mn, Mo, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr, SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, TC, [S], [Te], [H ₂ O ⁺], [CO ₂], [C _{Org}]
GBW08302	西藏土壤成分分析标准物质	Tibet Soil	15g	Al, As, Be, Ca, Cd, Ce, Co, Cr, Cu, Eu, Fe, K, La, Mg, Mn, P, Pb, Rb, Sc, Si, Se, Sm, Sr, Th, Ti, U, V, Yb, Zn, N, Na, Nd, Ni, [Ba], [Cs], [Dy], [Hf], [Hg], [Lu], [Sb], [Ta], [Tb]
GBW(E)070041	农业土壤成分分析标准物质	Agricultural soil	70g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, TiO ₂ , MnO, P ₂ O ₅ , L.O.I., B, Cu, Mo, Zn,
GBW(E)070042	农业土壤成分分析标准物质	Agricultural soil	70g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, TiO ₂ , MnO, P ₂ O ₅ , L.O.I., B., Cu, Zn, [S], [Mo]
GBW(E)070043	农业土壤成分分析标准物质	Agricultural soil	70g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, TiO ₂ , MnO, P ₂ O ₅ , L.O.I., B, Cu, Mo, Zn, [S]
GBW(E)070044	农业土壤成分分析标准物质	Agricultural soil	70g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, TiO ₂ , MnO, P ₂ O ₅ , L.O.I., B, Cu, Mo, Zn, [S]
GBW(E)070045	农业土壤成分分析标准物质	Agricultural soil	70g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , MgO, K ₂ O, TiO ₂ , MnO, P ₂ O ₅ , L.O.I., B, Cu, Mo, Zn, [S], [CaO], [Na ₂ O]
GBW(E)070046	农业土壤成分分析标准物质	Agricultural soil	70g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , K ₂ O, TiO ₂ , MnO, P ₂ O ₅ , L.O.I., Cu, Mo, Zn, [MgO], [CaO], [Na ₂ O], [S], [B]
GBW07475	三江源土壤成分分析标准物质	Certified Reference Material of Chemical Composition Of Sanjiangyuan Region	30g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, H ₂ O ⁺ , FeO*, P ₂ O ₅ *, MnO*, TiO ₂ *, Cr, CO ₂ *, Corg*, Cl, Cd, Br, Ba, As, Sb, Bi, Hg, W, Be, Mo, F, Cu, Pb, Zn, Co, Ni, V, Sr, Nb, Ta, U, Th, Zr, Hf, Li, Rb, Cs, Ag, B, Sn, Ga, Ge, In, Tl, I, N,

				S, Se, Te, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, Sc, TC, L.O.I
GBW07476	三江源土壤成分分析标准物质	Certified Reference Material of Chemical Composition Of Sanjiangyuan Region	30g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, H ₂ O ⁺ , FeO*, P ₂ O ₅ *, MnO*, TiO ₂ *, Cr, CO ₂ *, Corg*, Cl, Cd, Br, Ba, As, Sb, Bi, Hg, W, Be, Mo, F, Cu, Pb, Zn, Co, Ni, V, Sr, Nb, Ta, U, Th, Zr, Hf, Li, Rb, Cs, Ag, B, Sn, Ga, Ge, In, Tl, I, N, S, Se, Te, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, Sc, TC, L.O.I
GBW07477	三江源土壤成分分析标准物质	Certified Reference Material of Chemical Composition Of Sanjiangyuan Region	30g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, H ₂ O ⁺ , FeO*, P ₂ O ₅ *, MnO*, TiO ₂ *, Cr, CO ₂ *, Corg*, Cl, Cd, Br, Ba, As, Sb, Bi, Hg, W, Be, Mo, F, Cu, Pb, Zn, Co, Ni, V, Sr, Nb, Ta, U, Th, Zr, Hf, Li, Rb, Cs, Ag, B, Sn, Ga, Ge, In, Tl, I, N, S, Se, Te, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, Sc, TC, L.O.I
GBW07478	三江源土壤成分分析标准物质	Certified Reference Material of Chemical Composition Of Sanjiangyuan Region	30g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, H ₂ O ⁺ , FeO*, P ₂ O ₅ *, MnO*, TiO ₂ *, Cr, CO ₂ *, Corg*, Cl, Cd, Br, Ba, As, Sb, Bi, Hg, W, Be, Mo, F, Cu, Pb, Zn, Co, Ni, V, Sr, Nb, Ta, U, Th, Zr, Hf, Li, Rb, Cs, Ag, B, Sn, Ga, Ge, In, Tl, I, N, S, Se, Te, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, Sc, TC, L.O.I
GBW07479	三江源土壤成分分析标准物质	Certified Reference Material of Chemical Composition Of Sanjiangyuan Region	30g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, H ₂ O ⁺ , FeO*, P ₂ O ₅ *, MnO*, TiO ₂ *, Cr, CO ₂ *, Corg*, Cl, Cd, Br, Ba, As, Sb, Bi, Hg, W, Be, Mo, F, Cu, Pb, Zn, Co, Ni, V, Sr, Nb, Ta, U, Th, Zr, Hf, Li, Rb, Cs, Ag, B, Sn, Ga, Ge, In, Tl, I, N, S, Se, Te, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, Sc, TC, L.O.I
GBW07480	三江源土壤成分分析标准物质	Certified Reference Material of Chemical Composition Of	30g	SiO ₂ , Al ₂ O ₃ , TFe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, H ₂ O ⁺ , FeO*, P ₂ O ₅ *, MnO*, TiO ₂ *, Cr, CO ₂ *, Corg*, Cl, Cd, Br, Ba,

		Sanjiangyuan Region		As, Sb, Bi, Hg, W, Be, Mo, F, Cu, Pb, Zn, Co, Ni, V, Sr, Nb, Ta, U, Th, Zr, Hf, Li, Rb, Cs, Ag, B, Sn, Ga, Ge, In, Tl, I, N, S, Se, Te, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, Sc, TC, L.O.I
BW3714	土壤中 7 种 PCBs(低含量)标准物质	7 PCBs in low contaminated Soil	10g	PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180: (1-10) µg/kg, U≤11%
BW3715	土壤中 7 种 PCBs(高含量)标准物质	7 PCBs in high contaminated Soil	10g	PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180: (5-1000)µg/kg, U<21%

电子电气产品限令/ Restricted Hazardous Substances

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW08404	RoHS 检测用聚丙烯中镉、铬、汞、铅成分分析标准物质	Lead, mercury, cadmium and chromium in polypropylene plastic for RoHS	30g×4	Cd: 9.26mg/kg, U=0.22mg/kg; Cr: 98.4mg/kg, U=3.4mg/kg; Hg: 93mg/kg, U=2.2mg/kg; Pb: 98.2mg/kg, U=3.3mg/kg
GBW08405	RoHS 检测用聚丙烯中镉、铬、汞、铅成分分析标准物质	Lead, mercury, cadmium and chromium in polypropylene plastic for RoHS		Cd: 92.3mg/kg, U=1.7mg/kg; Cr: 978mg/kg, U=24mg/kg; Hg: 922mg/kg, U=20mg/kg; Pb: 981mg/kg, U=11mg/kg
GBW08406	RoHS 检测用聚丙烯中镉、铬、汞、铅成分分析标准物质	Lead, mercury, cadmium and chromium in polypropylene plastic for RoHS		Cd: 36.2mg/kg, U=0.7mg/kg; Cr: 255mg/kg, U=5mg/kg; Hg: 387mg/kg, U=9mg/kg; Pb: 476mg/kg, U=7mg/kg
GBW(E)081121	RoHS 检测 X 荧光分析用聚丙烯中镉、铬、汞、铅成分分析标准物质	Pb, Hg, Cr, Cd in PP for XRF Analysis (with blank and 3 level concentrations)	40mm(d)×4mm, set(4)	Cd: 9.2mg/kg, U=0.5mg/kg; Cr: 99mg/kg, U=4mg/kg; Hg: 92mg/kg, U=5mg/kg; Pb: 98mg/kg, U=5mg/kg
GBW(E)081122	RoHS 检测 X 荧光分析用聚丙烯中镉、铬、汞、铅成分分析标准物质	Pb, Hg, Cr, Cd in PP for XRF Analysis (with blank and 3 level concentrations)		Cd: 36.8mg/kg, U=1.8mg/kg; Cr: 251mg/kg, U=12mg/kg; Hg: 370mg/kg, U=18mg/kg; Pb: 453mg/kg, U=24mg/kg
GBW(E)081123	RoHS 检测 X 荧光分析用聚丙烯中镉、铬、汞、铅成分分析标准物质	Pb, Hg, Cr, Cd in PP for XRF Analysis (with blank and 3 level concentrations)		Cd: 92mg/kg, U=4mg/kg; Cr: 983mg/kg, U=43mg/kg; Hg: 907mg/kg, U=39mg/kg; Pb: 961mg/kg, U=41mg/kg
GBW08407	ABS 中铅、铬、镉、汞标准物质	Pb, Cr, Cd, Hg in ABS	10g	Cd: 8.7mg/kg, U=0.4mg/kg; Cr: 97.3mg/kg, U=2.3mg/kg; Hg: 91.5mg/kg, U=4.4mg/kg; Pb: 93.1mg/kg, U=4.2mg/kg
GBW08408	ABS 中铅、铬、镉、汞标准物质	Pb, Cr, Cd, Hg in ABS	10g	Cd: 26.7mg/kg, U=0.5mg/kg; Cr: 288mg/kg, U=6mg/kg; Hg: 271mg/kg, U=11mg/kg; Pb: 276mg/kg, U=9mg/kg

GBW08409	ABS 中铅、铬、镉、汞标准物质	Pb, Cr, Cd, Hg in ABS	10g	Cd: 36.3mg/kg, U=0.7mg/kg; Cr: 380mg/kg, U=7mg/kg; Hg: 373mg/kg, U=9mg/kg; Pb: 378mg/kg, U=7mg/kg
GBW08410	ABS 中铅、铬、镉、汞标准物质	Pb, Cr, Cd, Hg in ABS	10g	Cd: 76.0mg/kg, U=2.3mg/kg; Cr: 777mg/kg, U=21mg/kg; Hg: 748mg/kg, U=29mg/kg; Pb: 778mg/kg, U=17mg/kg
GBW08411	ABS 中铅、铬、镉、汞标准物质	Pb, Cr, Cd, Hg in ABS	10g	Cd: 107mg/kg, U=2mg/kg; Cr: 1122mg/kg, U=31mg/kg; Hg: 1096mg/kg, U=34mg/kg; Pb: 1122mg/kg, U=29mg/kg
GBW(E)081634	RoHS 检测 X 荧光分析用标准物质 ABS 中镉、铬、汞、铅、溴	Cd、Cr、Hg、Pb、Br in ABS for XRF analysis (with blank and 5 level concentrations)	40mm(d)×4mm, set(6)	Cd: 8.7mg/kg, U=0.5mg/kg; Cr: 97.3mg/kg, U=3.0mg/kg; Hg: 91.5mg/kg, U=4.8mg/kg; Pb: 93.1mg/kg, U=4.7mg/kg; [Br: 90mg/kg]
GBW(E)081635	RoHS 检测 X 荧光分析用标准物质 ABS 中镉、铬、汞、铅、溴	Cd、Cr、Hg、Pb、Br in ABS for XRF analysis (with blank and 5 level concentrations)		Cd: 26.7mg/kg, U=0.7mg/kg; Cr: 288mg/kg, U=9mg/kg; Hg: 271mg/kg, U=12mg/kg; Pb: 276mg/kg, U=11mg/kg; [Br: 280mg/kg]
GBW(E)081636	RoHS 检测 X 荧光分析用标准物质 ABS 中镉、铬、汞、铅、溴	Cd、Cr、Hg、Pb、Br in ABS for XRF analysis (with blank and 5 level concentrations)		Cd: 36.3mg/kg, U=1.0mg/kg; Cr: 380mg/kg, U=11mg/kg; Hg: 373mg/kg, U=12mg/kg; Pb: 378mg/kg, U=11mg/kg; [Br: 376mg/kg]
GBW(E)081637	RoHS 检测 X 荧光分析用标准物质 ABS 中镉、铬、汞、铅、溴	Cd、Cr、Hg、Pb、Br in ABS for XRF analysis (with blank and 5 level concentrations)		Cd: 76.0mg/kg, U=6.0mg/kg; Cr: 777mg/kg, U=26mg/kg; Hg: 748mg/kg, U=33mg/kg; Pb: 778mg/kg, U=24mg/kg; [Br: 785mg/kg]
GBW(E)081638	RoHS 检测 X 荧光分析用标准物质 ABS 中镉、铬、汞、铅、溴	Cd、Cr、Hg、Pb、Br in ABS for XRF analysis (with blank and 5 level concentrations)		Cd: 107mg/kg, U=3mg/kg; Cr: 1122mg/kg, U=38mg/kg; Hg: 1096mg/kg, U=41mg/kg; Pb: 1122mg/kg, U=37mg/kg; [Br: 1116mg/kg]
GBW08417	RoHS 检测用 PVC 中镉、铬、汞、铅成分分析标准物质	Cd、Cr、Hg、Pb in PVC	40mm(d)×4mm, set(6)	Cd: 5.9mg/kg, U=0.3mg/kg; Cr: 93.7mg/kg, U=4.4mg/kg; Hg: 95.9mg/kg, U=5.4mg/kg; Pb: 87.4mg/kg, U=3.7mg/kg
GBW08418	RoHS 检测用 PVC 中镉、铬、汞、铅成分分析标准物质	Cd、Cr、Hg、Pb in PVC		Cd: 17.2mg/kg, U=0.7mg/kg; Cr: 277mg/kg, U=11mg/kg; Hg: 283mg/kg, U=11mg/kg; Pb: 267mg/kg, U=10mg/kg
GBW08419	RoHS 检测用 PVC 中镉、铬、汞、铅成分分析标准物质	Cd、Cr、Hg、Pb in PVC		Cd: 28.9mg/kg, U=1.0mg/kg; Cr: 459mg/kg, U=12mg/kg; Hg: 470mg/kg, U=16mg/kg; Pb: 445mg/kg, U=18mg/kg
GBW08420	RoHS 检测用 PVC 中镉、铬、汞、铅成分分析标准物质	Cd、Cr、Hg、Pb in PVC		Cd: 58.8mg/kg, U=1.7mg/kg; Cr: 930mg/kg, U=44mg/kg; Hg: 968mg/kg, U=35mg/kg; Pb: 905mg/kg, U=32mg/kg
GBW08421	RoHS 检测用 PVC 中镉、铬、汞、铅成分分析标准物质	Cd、Cr、Hg、Pb in PVC		Cd: 70.7mg/kg, U=2.2mg/kg; Cr: 1110mg/kg, U=43mg/kg; Hg: 1159mg/kg, U=40mg/kg; Pb: 1080mg/kg, U=36mg/kg

GBW(E)082144	RoHS 检测 X 荧光分析用 PVC 中镉、铬、汞、铅成分分析标准物质	Cd、Cr、Hg、Pb in PVC	40mm(d)×4mm, set(6)	Cd: 5.9mg/kg, $U=0.4\text{mg/kg}$; Cr: 93.7mg/kg, $U=4.8\text{mg/kg}$; Hg: 95.9mg/kg, $U=5.7\text{mg/kg}$; Pb: 87.4mg/kg, $U=4.1\text{mg/kg}$
GBW(E)082145	RoHS 检测 X 荧光分析用 PVC 中镉、铬、汞、铅成分分析标准物质	Cd、Cr、Hg、Pb in PVC		Cd: 17.2mg/kg, $U=0.8\text{mg/kg}$; Cr: 277mg/kg, $U=13\text{mg/kg}$; Hg: 283mg/kg, $U=12\text{mg/kg}$; Pb: 267mg/kg, $U=12\text{mg/kg}$
GBW(E)082146	RoHS 检测 X 荧光分析用 PVC 中镉、铬、汞、铅成分分析标准物质	Cd、Cr、Hg、Pb in PVC		Cd: 28.9mg/kg, $U=1.2\text{mg/kg}$; Cr: 459mg/kg, $U=16\text{mg/kg}$; Hg: 470mg/kg, $U=19\text{mg/kg}$; Pb: 445mg/kg, $U=20\text{mg/kg}$
GBW(E)082147	RoHS 检测 X 荧光分析用 PVC 中镉、铬、汞、铅成分分析标准物质	Cd、Cr、Hg、Pb in PVC		Cd: 58.8mg/kg, $U=2.7\text{mg/kg}$; Cr: 930mg/kg, $U=49\text{mg/kg}$; Hg: 968mg/kg, $U=49\text{mg/kg}$; Pb: 905mg/kg, $U=43\text{mg/kg}$
GBW(E)082148	RoHS 检测 X 荧光分析用 PVC 中镉、铬、汞、铅成分分析标准物质	Cd、Cr、Hg、Pb in PVC		Cd: 70.7mg/kg, $U=2.2\text{mg/kg}$; Cr: 1110mg/kg, $U=43\text{mg/kg}$; Hg: 1159mg/kg, $U=40\text{mg/kg}$; Pb: 1080mg/kg, $U=36\text{mg/kg}$
GBW 08422	RoHS 检测用焊锡中铅、镉标准物质	Lead and Cadmium in Solder	10g	Cd: 27.2mg/kg, $U=2.0\text{mg/kg}$; Pb: 261mg/kg, $U=11\text{mg/kg}$
GBW 08423	RoHS 检测用焊锡中铅、镉标准物质	Lead and Cadmium in Solder	10g	Cd: 127mg/kg, $U=6\text{mg/kg}$; Pb: 1024mg/kg, $U=31\text{mg/kg}$
NIM-RM2071	RoHS 检测 X 荧光分析用铜合金系列——纯铜中铅	Pb in Pure Copper Alloy	set (11)	NIM-RM2071-1: blank; NIM-RM2071-2: (37±16) mg/kg; NIM-RM2071-3: (31±9) mg/kg; NIM-RM2071-4: (18±7) mg/kg; NIM-RM2071-5: (83±11) mg/kg; NIM-RM2071-6: (135±12) mg/kg; NIM-RM2071-7: (243±22) mg/kg; NIM-RM2071-8: (446±33) mg/kg; NIM-RM2071-9: (876±52) mg/kg; NIM-RM2071-10: (1118±89) mg/kg; NIM-RM2071-11: (514±38) mg/kg
NIM-RM2072	RoHS 检测 X 荧光分析用铜合金系列——铝黄铜中铅	Pb in Brass	set (5)	NIM-RM2072-1: (1390±95) mg/kg ; NIM-RM2072-2: (862±67) mg/kg; NIM-RM2072-3: (512±44) mg/kg; NIM-RM2072-4: (328±21) mg/kg; NIM-RM2072-5: (198±20) mg/kg
NIM-RM2073	RoHS 检测 X 荧光分析用铜合金系列——黄铜中铅	Pb in Brass	set (7)	NIM-RM2073-1: (3137±408) mg/kg; NIM-RM2073-2: (1033±139) mg/kg; NIM-RM2073-3: (191±34) mg/kg; NIM-RM2073-4: (169±17) mg/kg; NIM-RM2073-5: (282±46) mg/kg; NIM-RM2073-6: (83±13) mg/kg; NIM-RM2073-7: (32±8) mg/kg

NIM-RM2074	RoHS 检测 X 荧光分析用铁合金系列 ——合金结构钢中 铅、铬	Pb, Cr in Iron Alloy	set (7)	NIM-RM2074-1: Pb: (12±8) mg/kg; Cr: (12015±769) mg/kg; NIM-RM2074-2: Pb: (135±11) mg/kg; Cr: (14501±1331) mg/kg; NIM-RM2074-3: Pb: (65±14) mg/kg; Cr: (10954±461) mg/kg; NIM-RM2074-4: Pb: : 215±25) mg/kg; Cr: (11086±670) mg/kg; NIM-RM2074-5: Pb: (97±17) mg/kg; Cr: (6029±369) mg/kg; NIM-RM2074-6: Pb: (234±43) mg/kg; Cr: (14768±956) mg/kg; NIM-RM2074-7: Pb: (73±20) mg/kg; Cr: (18663±1351) mg/kg
NIM-RM2075	RoHS 检测 X 荧光分析用铝合金系列 ——变形铝中 Pb,Cd,Hg	Pb,Cd,Hg in deforming aluminum alloy	set (6)	NIM-RM2075-1: Pb: (22±6) mg/kg; Cd: (16±3) mg/kg; NIM-RM2075-2: Pb: (56±10) mg/kg; Cd: (47±9) mg/kg; NIM-RM2075-3: Pb: (99 ±18) mg/kg; Cd: (94±18) mg/kg; NIM-RM2075-4: Pb: (92±18) mg/kg; Cd: (92±19) mg/kg; NIM-RM2075-5: Pb: (200±16) mg/kg; Cd: (188±13) mg/kg; NIM-RM2075-6: Pb: (384±19) mg/kg; Cd: (388±23) mg/kg 同时提供 Hg 的信息值
NIM-RM2076	RoHS 检测 X 荧光分析用铝合金系列 ——铝合金中 Pb,Cr	Pb,Cd,Cr in Aluminum Alloy	set (6)	NIM-RM2076-1: Pb: (59±22) mg/kg; Cd: (19±11) mg/kg; Cr: (71±26) mg/kg; NIM-RM2076-2: Pb: (415±40) mg/kg; Cd: (61±12) mg/kg; Cr: (198±5) mg/kg; NIM-RM2076-3: Pb: (112±32) mg/kg; Cd: (123±27) mg/kg; Cr: (104±4) mg/kg; NIM-RM2076-4: Pb: (571±44) mg/kg; Cd: (340±16) mg/kg; Cr: (311±9) mg/kg; NIM-RM2076-5: Pb: (1020±47) mg/kg; Cd: (592±22) mg/kg; Cr: (979±22) mg/kg; NIM-RM2076-6: Pb: (1396±24) mg/kg; Cd: (1228±44) mg/kg; Cr: (1176±83) mg/kg
NIM-RM2077	RoHS 检测 X 荧光分析用锡合金系列 ——锡合金中铅	Pb in Sn Alloy	set (5)	NIM-RM2077-1: (6661±190) mg/kg; NIM-RM2077-2: (3347±218) mg/kg; NIM-RM2077-3: (1529±82) mg/kg; ; NIM-RM2077-4: (672±60) mg/kg; NIM-RM2077-5: (284±15) mg/kg

NIM-RM2078	RoHS 检测 X 荧光分析用锌合金系列——锌合金中 Pb,Cd	Pb,Cr in Zn alloy	set (5)	NIM-RM2078-1: Pb: (49±6) mg/kg; Cd: (21±2) mg/kg; NIM-RM2078-2: Pb: (108±10) mg/kg; Cd: (39±3) mg/kg; NIM-RM2078-3: Pb: (214±20) mg/kg; Cd: (80±6) mg/kg; NIM-RM2078-4: Pb: (422±42) mg/kg; Cd: (163±9) mg/kg; NIM-RM2078-5: Pb: (855±64) mg/kg; Cd: (332±25) mg/kg
GBW08412	聚乙烯中十溴二苯醚成分分析标准物质	Decabrominated diphenyl ether in Polyethylene	25g×3	1150mg/kg, U=76mg/kg
GBW08413	聚乙烯中十溴二苯醚成分分析标准物质	Decabrominated diphenyl ether in Polyethylene		369mg/kg, U=21mg/kg
GBW(E)081124	异辛烷中工业五溴二苯醚混合溶液标准物质	Industrial penta-BDE in iso-octane	1.2mL	Total concentration: 50µg/mL, U=6%
NIM-RM3521-2	甲苯中工业五溴二苯醚混合溶液标准物质	Industrial penta-BDE in toluene	1.2mL	Total concentration: 500µg/mL, U=5%
GBW(E)081125	异辛烷中工业八溴二苯醚混合溶液标准物质	Industrial octa-BDE in iso-octane	1.2mL	Total concentration: 50µg/mL, U=6%
NIM-RM3522-2	甲苯中工业八溴二苯醚混合溶液标准物质	Industrial octa-BDE in toluene	1.2mL	Total concentration: 500µg/mL, U=5%
GBW08709	十溴二苯醚溶液标准物质	Deca-BDE in iso-octane/toluene(V/V 9:1)	1.2mL	50µg/mL, U=1.4%
NIM-RM3523-2	甲苯中十溴二苯醚溶液标准物质	Deca-BDE in toluene	1.2mL	500µg/mL, U=3%
GBW08424	皮革粉中重金属成分分析标准物质(低浓度)	Heavy Metals in Leather Powder	4.5g	As 56.0±2.4mg/kg; Cd 64.7±3.3mg/kg; Co 64.0±2.5mg/kg; Cu 61.3±2.5mg/kg; Hg 67.0±3.1mg/kg; Ni 64.6±2.7mg/kg; Pb 64.7±2.3mg/kg; Sb 82.6±3.3mg/kg
GBW08425	皮革粉中重金属成分分析标准物质(中浓度)	Heavy Metals in Leather Powder	4.5g	As 130±5mg/kg; Cd 129±5mg/kg; Co 127±4mg/kg; Cu 119±4mg/kg; Hg 104±4mg/kg; Ni 126±5mg/kg; Pb 137±5mg/kg; Sb 168±7mg/kg
GBW08426	皮革粉中重金属成分分析标准物质(高浓度)	Heavy Metals in Leather Powder	4.5g	As 188±6mg/kg; Cd 192±7mg/kg; Co 185±6mg/kg; Cu 178±7mg/kg; Hg 157±6mg/kg; Ni 185±8mg/kg; Pb 225±8mg/kg; Sb 206±7mg/kg

7.工程技术及高聚物 /Technological,Engineering and High Polymer

颗粒数量浓度

Particle number concentration

颗粒数量浓度/Particle number concentration

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW 09705	颗粒数量浓度	Particle number concentration	90mL	2016 个/毫升(particles/mL), $U=2.2\%$ ($D_{50}=5.36\mu\text{m}$)
GBW(E)090307	颗粒数量浓度	Particle number concentration	90mL	2048 个/毫升(particles/mL), $U=2.3\%$ ($D_{50}=9.56\mu\text{m}$)
GBW(E)090306	颗粒数量浓度	Particle number concentration	90mL	948 个/毫升(particles/mL), $U=2.3\%$ ($D_{50}=26.38\mu\text{m}$)

8.物理学与物理化学/Physics and Physico-Chemistry

熔点

Melting Point

溶液酸度

pH

溶液电导率

Aqueous Electrolytic Conductivity

热量及热分析

Caloric and Thermal Analysis

湿度

Humidity and Moisture

黏度

Viscosity

光学特性

Optical characteristics

渗透压摩尔浓度标准

Osmolality Standard

熔点/Melting Point

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW13231	熔点标准物质- 对硝基甲苯	4-Nitrotoluene melting point certified reference material,	2g	Capillary melting point (completely melted, 0.20°C/min): (52.03±0.11)°C; Capillary melting point (completely melted, 1.0°C/min): (52.58±0.20)°C; melting point(F=1, ΔT=0): (51.60±0.05)°C
GBW13232	熔点标准物质- 萘	Naphthalene melting point certified reference material	2g	Capillary melting point (completely melted, 0.20°C/min): (80.11±0.11)°C; Capillary melting point (completely melted, 1.0°C/min): (80.62±0.20)°C; melting point(F=1, ΔT=0): (79.86±0.05)°C
GBW13233	熔点标准物质- 苯甲酸	Benzoic acid melting point certified reference material	0.2g	Capillary melting point (completely melted, 0.20°C/min): (122.81±0.11)°C; Capillary melting point (completely melted, 1.0°C/min): (123.33±0.20)°C; melting point(F=1, ΔT= 0): (122.34±0.05)°C
GBW13234	熔点标准物质 -1, 6-己二酸	1, 6-hexanedioic acid melting point certified reference material	2g	Capillary melting point (completely melted, 0.20°C/min): (152.33±0.11)°C; Capillary melting point (completely melted, 1.0°C/min): (152.94±0.20)°C; melting point(F=1, ΔT= 0): (151.59±0.05)°C
GBW13235	熔点标准物质- 对甲氧基苯甲酸	P-Methoxybenzoic acid melting point certified reference material	2g	Capillary melting point (completely melted, 0.20°C/min): (184.15±0.11)°C; Capillary melting point (completely melted, 1.0°C/min): (184.73±0.20)°C; melting point(F=1, ΔT= 0): (183.32±0.05)°C
GBW13236	熔点标准物质- 蒽	Anthracene melting point certified reference material	2g	Capillary melting point (completely melted, 0.20°C/min): (216.33±0.11)°C; Capillary melting point (completely melted, 1.0°C/min): (216.92±0.20)°C; melting point(F=1, ΔT= 0): (215.88±0.05)°C
GBW13237	熔点标准物质- 对硝基苯甲酸	P-Nitrobenzoic acid melting point certified reference material	2g	Capillary melting point (completely melted, 0.20°C/min): (240.39±0.11)°C; Capillary melting point (completely melted, 1.0°C/min): (241.13±0.20)°C; melting point(F=1, ΔT= 0): (239.45±0.05)°C
GBW13238	熔点标准物质- 蒽醌	Anthraquinone melting point certified reference material	2g	Capillary melting point (completely melted, 0.20°C/min): (285.19±0.11)°C; Capillary melting point (completely melted, 1.0°C/min): (285.72±0.20)°C; melting point(F=1, ΔT= 0): (284.65±0.05)°C

GBW(E)130332	月桂酸熔点标准物质	Melting point for organic substances-lauric acid	2g	Capillary melting point (completely melted, 0.20°C/min): (44.24±0.14)°C; Capillary melting point (completely melted, 0.50°C/min): (44.35±0.16)°C; Capillary melting point (completely melted, 1.0°C/min): (44.74±0.21)°C
GBW(E)130333	联苯熔点标准物质	Melting point for organic substances-biphenyl	2g	Capillary melting point (completely melted, 0.20°C/min): (69.17±0.19)°C; Capillary melting point (completely melted, 0.50°C/min): (69.48±0.20)°C; Capillary melting point (completely melted, 1.0°C/min): (69.72±0.20)°C
GBW(E)130334	咪唑熔点标准物质	Melting point for organic substances-imidazole	2g	Capillary melting point (completely melted, 0.20°C/min): (89.78±0.15)°C; Capillary melting point (completely melted, 0.50°C/min): (89.94±0.15)°C; Capillary melting point (completely melted, 1.0°C/min): (90.34±0.20)°C
GBW(E)130335	乙酰苯胺熔点标准物质	Melting point for organic substances-acetanilide	2g	Capillary melting point (completely melted, 0.20°C/min): (114.56±0.15)°C; Capillary melting point (completely melted, 0.50°C/min): (114.84±0.14)°C; Capillary melting point (completely melted, 1.0°C/min): (115.22±0.18)°C
GBW(E)130336	非那西丁熔点标准物质	Melting Point Certified Reference Materials for Organic Substances-phenacetin	2g	Capillary melting point (completely melted, 0.20°C/min): (134.87±0.14)°C; Capillary melting point (completely melted, 0.50°C/min): (135.21±0.16)°C; Capillary melting point (completely melted, 1.0°C/min): (135.52±0.18)°C
GBW(E)130337	对甲苯甲酸熔点标准物质	Melting point for organic substances-4-methylbenzoic acid	2g	Capillary melting point (completely melted, 0.20°C/min): (180.34±0.16)°C; Capillary melting point (completely melted, 0.50°C/min): (180.62±0.19)°C; Capillary melting point (completely melted, 1.0°C/min): (180.97±0.19)°C
GBW(E)130338	蒽熔点标准物质	Melting point for organic substances-anthracene	2g	Capillary melting point (completely melted, 0.20°C/min): (215.07±0.13)°C; Capillary melting point (completely melted, 0.50°C/min): (215.43±0.15)°C; Capillary melting point (completely melted, 1.0°C/min): (215.68±0.19)°C

GBW(E)130339	咔唑熔点标准物质	Melting point for organic substances-carbazole	2g	Capillary melting point (completely melted, 0.20°C/min): (244.76±0.17)°C; Capillary melting point (completely melted, 0.50°C/min): (244.85±0.16)°C; Capillary melting point (completely melted, 1.0°C/min): (245.02±0.19)°C
溶液酸度/pH				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW13101	四草酸三氢钾 pH 标准物质	pH standard-Potassium Tetroxalate Dihydrate	20g	(1.680±0.005)pH(25℃)
GBW13102	酒石酸氢钾 pH 标准物质	pH standard-Potassium Hydrogen Tartrate	20g	(3.559±0.005)pH(25℃)
GBW13103	邻苯二甲酸氢钾 pH 标准物质	pH standard-Potassium hydrogen phthalate	20g	(4.003±0.005)pH(25℃)
GBW13104	磷酸二氢钾 pH 标准物质	pH standard-Potassium dihydrogen phosphate	20g	(6.864±0.005)pH(25℃)
GBW13105	磷酸氢二钠 pH 标准物质	pH standard-Disodium hydrogen phosphate	20g	(6.864±0.005)pH(25℃)
GBW13106	硼砂 pH 标准物质	pH standard-Sodium tetraborate decahydrate (Borax)	20g	(9.182±0.005)pH(25℃)
GBW(E)130068	四草酸氢钾 pH 标准物质	pH standard-Potassium tetroxalate dihydrate	1 unit	(1.68±0.01)pH(25℃)
GBW(E)130069	酒石酸氢钾 pH 标准物质	pH standard-Potassium hydrogen tartrate	1unit	(3.56±0.01)pH(25℃)
GBW(E)130070	邻苯二甲酸氢钾 pH 标准物质	pH standard—Potassium hydrogen phthalate	1unit	(4.00±0.01)pH(25℃)
GBW(E)130071	混合磷酸盐 pH 标准物质	pH standard-Phosphate buffers (Potassium Dihydrogen Phosphate, Disodium Hydrogen Phosphate)	1unit	(6.86±0.01)pH(25℃)
GBW(E)130072	硼砂 pH 标准物质	pH standard—Sodium Tetraborate Decahydrate (Borax)	1unit	(9.18±0.01)pH(25℃)
GBW 13107	氢氧化钙 pH 标准物质	pH standard-Calcium Hydroxide	20g	(12.460±0.005)pH(25℃)
GBW 13108	柠檬酸二氢钾 pH 标准物质	pH standard-Potassium Dihydrogen Citrate	20g	(3.775±0.005)pH(25℃)
GBW 13109	碳酸钠 pH 标准物质	pH standard-Sodium Carbonate	20g	(10.011±0.005)pH(25℃)

GBW 13110	碳酸氢钠 pH 标准物质	pH standard-Sodium Bicarbonate	20g	(10.011±0.005)pH(25℃)
GBW 13111	三羟甲基氨基甲烷 pH 标准物质	pH standard-Tris(hydroxymethyl) Aminomethane	20g	(7.696±0.005)pH(25℃)
GBW 13112	三羟甲基氨基甲烷盐酸盐 pH 标准物质	pH standard-Tris(hydroxymethyl) Aminomethane Hydrochloride	20g	(7.696±0.005)pH(25℃)

溶液电导率/Aqueous Electrolytic Conductivity

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW13121	电解质电导率水溶液标准物质	Aqueous electrolytic conductivity	100 mL	20.84 μS/cm (25℃), U=1.2%(k=2)
GBW13122	电解质电导率水溶液标准物质	Aqueous electrolytic conductivity	100 mL	50.49 μS/cm (25℃), U=0.5%(k=2)
GBW13123	电解质电导率水溶液标准物质	Aqueous electrolytic conductivity	100 mL	12.875 mS/cm (25℃), U=0.08%(k=2)
GBW13124	电解质电导率水溶液标准物质	Aqueous electrolytic conductivity	100 mL	111.57 mS/cm (25℃), U=0.09%(k=2)
GBW(E)130107	氯化钾电导率溶液标准物质	Aqueous electrolytic conductivity-KCl(Liquid form)	100mL	1411μS/cm(25℃), U=0.25%
GBW(E)130108	氯化钾电导率溶液标准物质	Aqueous electrolytic conductivity-KCl(Liquid form)	100mL	147.4 μ S/cm(25℃), U=0.25%
★NIM-RM2092	氯化钾溶液电导率标准物质	RM for Electrolytic Conductivity of Potassium Chloride Solution	100 mL/瓶	电导率标准值: 84.00 μ S/cm, Urel = 0.25%

热量及热分析/Caloric and Thermal Analysis

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)130035	苯甲酸热量标准物质	Benzoic acid calorimetric reference material	70 pieces	26485 J/g, U=1%
GBW(E)130233	聚乙烯热量标准物质	Calorimetric Standard-Polythene	20g	46506 J/g, U=0.1%
GBW13202	铟-热分析标准物质	Thermal analysis-Indium	0.75g	enthalpy of melting : (3265±429.75)J/mol; melting point: (7 ±0.01)K
GBW13203	摩尔热容 α-Al ₂ O ₃ 标准物质	Heat capacity of α-Al ₂ O ₃	40mg	99.97%, U=0.2%
GBW(E)130182	热分析标准物质 (铟)	Thermal analysis-Indium	0.5g	Melt temperature: (156.52±0.26)℃; melting heat: (28.53±0.30)J/g
GBW(E)130183	热分析标准物质 (锡)	Thermal analysis-Tin	0.5g	Melt temperature: (231.81±0.06)℃; melting heat: (60.24±0.18)J/g
GBW(E)130184	热分析标准物质	Thermal analysis-Lead	0.5g	Melt temperature: (327.77±0.46)℃; melting

	(铅)			heat: (23.02±0.28)J/g
GBW(E)130185	热分析标准物质 (锌)	Thermal analysis-Zinc	0.5g	Melt temperature: (420.67±0.60)°C; melting heat: (107.6±1.3)J/g
GBW(E)130186	热分析标准物质 (硝酸钾)	Thermal analysis-Potassium nitrate	1g	Phase transition temperature : (130.45±0.44)°C
GBW(E)130187	热分析标准物质 (二氧化硅)	Thermal analysis-Silicon dioxide	1g	Phase transition temperature : (574.29±0.94)°C
GBW(E)130443	镓(Gallium)热分析标准物质	Gallium for Thermal Analysis	2g	Phase transition temperature : 30.03±0.20)°C
GBW(E)130444	水杨酸苯酯 (Phenyl Salicylate)热分析标准物质	Phenyl Salicylate for Thermal Analysis	1g	Phase transition temperature : (41.82±0.34)°C
GBW13239	阿留麦尔合金居里点标准物质	Curie Point of Alumel Alloy	0.5g	153.8°C,U= 0.8°C
GBW13240	镍居里点标准物质	Curie Point of Nickel	0.5g	358.6°C,U= 0.9°C
GBW13241	铁居里点标准物质	Curie Point of Iron	0.5g	772.0°C,U= 1.7°C

湿度/Humidity and Moisture

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW13501	水渗透管(标准湿度发生源)	Water Permeation tube (humidity generator)	/	(30~2000)uL/L, U=4%
GBW(E)130209	卡尔.费休法水分分析标准物质	Karl Fischer moisture standard: moisture in methanol	6mL	1.40 mg/g, U=1.3%
GBW(E)130210	卡尔.费休法水分分析标准物质	Karl Fischer moisture standard: moisture in methanol	6mL	5.11 mg/g, U=1.4%
GBW(E)130211	卡尔.费休法水分分析标准物质	Karl Fischer moisture standard: sodium tartrate-2-hydrate	2g	15.66%, U=2.0%
GBW13511	水的饱和辛醇溶液水分含量标准物质	CRMs for water content of water saturated octanol	5mL	(4.76±0.11) %
GBW13512	液体水分标准物质	CRMs for water content of liquid	10mL	(1.000±0.013) %
GBW13513	液体水分标准物质	CRMs for water content of liquid	10mL	(0.1066±0.0031) %
GBW13514	液体水分标准物质	CRMs for water content of liquid	10mL	(0.0139±0.0012) %
GBW 13515	二水合酒石酸钠水分标准物质	Two sodium tartrate hydrate water content reference	10g	质量分数(mass fraction)156.3×10 ⁻³ ,U= 1.3×10 ⁻³

		material		
GBW 13516	一水合柠檬酸钾 水分标准物质	Potassium citrate hydrate water content reference material	10g	质量分数(mass fraction) 55.8×10^{-3} , $U = 0.6 \times 10^{-3}$
GBW 13517	一水合乳糖水分 标准物质	Lactose lactose water content reference material	10g	质量分数(mass fraction) 50.7×10^{-3} , $U = 0.6 \times 10^{-3}$
GBW 13518	固体水分标准物 质	Solid water content reference material	10g	质量分数(mass fraction) 9.90×10^{-3} , $U = 0.2 \times 10^{-3}$
GBW 13519	固体水分标准物 质	Solid water content reference material	10g	质量分数(mass fraction) 0.878×10^{-3} , $U = 0.044 \times 10^{-3}$
GBW 13520	固体水分标准物 质	Solid water content reference material	10g	质量分数(mass fraction) 0.142×10^{-3} , $U = 0.013 \times 10^{-3}$

黏度/Viscosity

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW13601	标准黏度液	Standard Liquid of Viscosity	250mL	$2\text{mm}^2/\text{s}$, $U = 0.10\%$ (20°C)
GBW13602	标准黏度液	Standard Liquid of Viscosity	250mL	$5\text{mm}^2/\text{s}$, $U = 0.16\%$ (20°C)
GBW13603	标准黏度液	Standard Liquid of Viscosity	250mL	$10\text{mm}^2/\text{s}$, $U = 0.16\%$ (20°C)
GBW13604	标准黏度液	Standard Liquid of Viscosity	250mL	$20\text{mm}^2/\text{s}$, $U = 0.21\%$ (20°C)
GBW13605	标准黏度液	Standard Liquid of Viscosity	250mL	$50\text{mm}^2/\text{s}$, $U = 0.21\%$ (20°C)
GBW13606	标准黏度液	Standard Liquid of Viscosity	250mL	$100\text{mm}^2/\text{s}$, $U = 0.27\%$ (20°C)
GBW13607	标准黏度液	Standard Liquid of Viscosity	250mL	$200\text{mm}^2/\text{s}$, $U = 0.27\%$ (20°C)
GBW13608	标准黏度液	Standard Liquid of Viscosity	250mL	$500\text{mm}^2/\text{s}$, $U = 0.33\%$ (20°C)
GBW13609	标准黏度液	Standard Liquid of Viscosity	250mL	$1000\text{mm}^2/\text{s}$, $U = 0.33\%$ (20°C)
GBW13610	标准黏度液	Standard Liquid of Viscosity	250mL	$2000\text{mm}^2/\text{s}$, $U = 0.39\%$ (20°C)
GBW13611	标准黏度液	Standard Liquid of Viscosity	250mL	$5000\text{mm}^2/\text{s}$, $U = 0.39\%$ (20°C)
GBW13612	标准黏度液	Standard Liquid of Viscosity	250mL	$10000\text{mm}^2/\text{s}$, $U = 0.44\%$ (20°C)
GBW13613	标准黏度液	Standard Liquid of Viscosity	250mL	$20000\text{mm}^2/\text{s}$, $U = 0.44\%$ (20°C)
GBW13614	标准黏度液	Standard Liquid of Viscosity	250mL	$50000\text{mm}^2/\text{s}$, $U = 0.50\%$ (20°C)
GBW13615	标准黏度液	Standard Liquid of Viscosity	250mL	$100000\text{mm}^2/\text{s}$, $U = 0.50\%$ (20°C)
GBW(E)130251	37°C标准黏度液	Standard Liquid of Viscosity (37°C, for blood flow measurement)	8mL	$1.5\text{mm}^2/\text{s}$, $U = 0.2\%$, 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130252	37°C标准黏度液	Standard Liquid of Viscosity (37°C, for blood flow measurement)	8mL	$3\text{mm}^2/\text{s}$, $U = 0.2\%$, 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130253	37°C标准黏度液	Standard Liquid of Viscosity (37°C, for blood flow measurement)	8mL	$5\text{mm}^2/\text{s}$, $U = 0.3\%$, 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130254	37°C标准黏度液	Standard Liquid of Viscosity (37°C, for blood flow measurement)	8mL	$10\text{mm}^2/\text{s}$, $U = 0.3\%$, 同时给出动力学黏度 (providing dynamics viscosity)

GBW(E)130255	37℃标准黏度液	Standard Liquid of Viscosity (37℃, for blood flow measurement)	8mL	20mm ² /s, $U=0.4\%$, 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130256	37℃标准黏度液	Standard Liquid of Viscosity (37℃, for blood flow measurement)	8mL	30mm ² /s, $U=0.5\%$, 同时给出动力学黏度 (providing dynamics viscosity)
NIM-RM2050	37℃标准黏度液	Standard Liquid of Viscosity-for blood flow measurement (38℃)	8mL	8.0mm ² /s, $U=0.3\%$, 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130611	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	2.036mm ² /s (20℃), 1.825mm ² /s (25℃), 1.622mm ² /s (30℃), 1.404mm ² /s (40℃), 1.194mm ² /s (50℃), $U=0.40\%$, 同时给出动力学黏度(providing dynamics viscosity)
GBW(E)130612	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	4.986mm ² /s (20℃), 4.336mm ² /s (25℃), 3.815mm ² /s (30℃), 3.143mm ² /s (40℃), 2.601mm ² /s (50℃), 2.223mm ² /s (60℃), 1.915mm ² /s (70℃), 1.626mm ² /s (80℃), 1.483mm ² /s (90℃), 1.301mm ² /s (100℃), $U=0.40\%$, 同时给出动力学黏度(providing dynamics viscosity)
GBW(E)130613	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	10.86mm ² /s (20℃), 8.787mm ² /s (25℃), 7.032mm ² /s (30℃), 5.627mm ² /s (40℃), 4.344mm ² /s (50℃), 3.641mm ² /s (60℃), 2.938mm ² /s (70℃), 2.369mm ² /s (80℃), 2.033mm ² /s (90℃), 1.777mm ² /s (100℃), $U=0.50\%-0.40\%$, 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130614	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	21.36mm ² /s (20℃), 17.29mm ² /s (25℃), 14.23mm ² /s (30℃), 10.17mm ² /s (40℃), 7.425mm ² /s (50℃), 6.123mm ² /s (60℃), 4.901mm ² /s (70℃), 3.560mm ² /s (80℃), 3.008mm ² /s (90℃), 2.441mm ² /s (100℃), $U=0.50\%-0.40\%$, 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130615	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	50.17mm ² /s (20℃), 40.49mm ² /s (25℃), 33.62mm ² /s (30℃), 22.00mm ² /s (40℃), 15.84mm ² /s (50℃), 12.01mm ² /s (60℃), 9.325mm ² /s (70℃), 6.953mm ² /s (80℃), 5.632mm ² /s (90℃), 4.577mm ² /s (100℃), $U=0.50\%-0.40\%$, 同时给出动力学黏度 (providing dynamics viscosity)

GBW(E)130616	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	99.55mm ² /s (20℃) , 77.83mm ² /s (25℃) , 51.38mm ² /s (30℃) , 39.82mm ² /s (40℃) , 27.15mm ² /s (50℃) , 21.41mm ² /s (60℃) , 16.62mm ² /s (70℃) , 10.86mm ² /s (80℃) , 8.536mm ² /s (90℃) , 6.788mm ² /s (100℃) , U=0.63%-0.40% , 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130617	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	198.3mm ² /s (20℃) , 148.7mm ² /s (25℃) , 109.0mm ² /s (30℃) , 74.36mm ² /s (40℃) , 49.58mm ² /s (50℃) , 38.81mm ² /s (60℃) , 27.63mm ² /s (70℃) , 18.84mm ² /s (80℃) , 15.22mm ² /s (90℃) , 11.90mm ² /s (100℃) , U=0.63%-0.50% , 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130618	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	505.2mm ² /s (20℃) , 352.1mm ² /s (25℃) , 258.1mm ² /s (30℃) , 137.8mm ² /s (40℃) , 80.37mm ² /s (50℃) , 61.36mm ² /s (60℃) , 40.25mm ² /s (70℃) , 22.96mm ² /s (80℃) , 16.89mm ² /s (90℃) , 12.25mm ² /s (100℃) , U=0.63%-0.50% , 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130619	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	1006mm ² /s (20℃) , 657.8mm ² /s (25℃) , 415.3mm ² /s (30℃) , 239.9mm ² /s (40℃) , 131.6mm ² /s (50℃) , 99.26mm ² /s (60℃) , 62.33mm ² /s (70℃) , 35.60mm ² /s (80℃) , 26.38mm ² /s (90℃) , 17.80mm ² /s (100℃) , U=0.80%-0.50% , 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130620	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	2015mm ² /s (20℃) , 1343mm ² /s (25℃) , 817.3mm ² /s (30℃) , 436.6mm ² /s (40℃) , 235.1mm ² /s (50℃) , 175.3mm ² /s (60℃) , 109.6mm ² /s (70℃) , 56.25mm ² /s (80℃) , 41.83mm ² /s (90℃) , 27.71mm ² /s (100℃) , U=0.80%-0.50% , 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130621	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	4998mm ² /s (20℃) , 3528mm ² /s (25℃) , 2689mm ² /s (30℃) , 1372mm ² /s (40℃) , 803.6mm ² /s (50℃) , 499.8mm ² /s (60℃) , 356.1mm ² /s (70℃) , 215.6mm ² /s (80℃) , 166.2mm ² /s (90℃) , 117.6mm ² /s (100℃) , U=0.80%-0.63% , 同时给出动力学黏度 (providing dynamics viscosity)

GBW(E)130622	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	9987mm ² /s (20℃), 7134mm ² /s (25℃), 5612mm ² /s (30℃), 2972mm ² /s (40℃), 1783mm ² /s (50℃), 1129mm ² /s (60℃), 897.5mm ² /s (70℃), 511.2mm ² /s (80℃), 390.8mm ² /s (90℃), 273.5mm ² /s (100℃), $U=0.88\%-0.63\%$, 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130623	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	2.011×10 ⁴ mm ² /s (20℃), 1.207×10 ⁴ mm ² /s (25℃), 8016mm ² /s (30℃), 3419mm ² /s (40℃), 1609mm ² /s (50℃), 854.7mm ² /s (60℃), 561.1mm ² /s (70℃), 291.6mm ² /s (80℃), 260.7mm ² /s (90℃), 120.7mm ² /s (100℃), $U=0.88\%-0.63\%$, 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130624	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	5.032×10 ⁴ mm ² /s (20℃), 3.213×10 ⁴ mm ² /s (25℃), 2.016×10 ⁴ mm ² /s (30℃), 8849mm ² /s (40℃), 4251mm ² /s (50℃), 2169mm ² /s (60℃), 1402mm ² /s (70℃), 672.4mm ² /s (80℃), 415.6mm ² /s (90℃), 260.3mm ² /s (100℃), $U=0.88\%-0.63\%$, 同时给出动力学黏度 (providing dynamics viscosity)
GBW(E)130625	中高温黏度标准物质	Reference Materials of Viscosity at Moderate High Temperature	250mL	9.988×10 ⁴ mm ² /s (20℃), 6.206×10 ⁴ mm ² /s (25℃), 4.603×10 ⁴ mm ² /s (30℃), 1.746×10 ⁴ mm ² /s (40℃), 8243mm ² /s (50℃), 4170mm ² /s (60℃), 2709mm ² /s (70℃), 1280mm ² /s (80℃), 886.9mm ² /s (90℃), 484.9mm ² /s (100℃), $U=0.88\%-0.63\%$, 同时给出动力学黏度 (providing dynamics viscosity)
★GBW(E)136688	塑料表观剪切黏度标准物质	Certified Reference Materials of Plastic Apparent Shear Viscosity	铝箔袋 200g	/
★GBW(E)136689	塑料表观剪切黏度标准物质	Certified Reference Materials of Plastic Apparent Shear Viscosity	铝箔袋 200g	/

★GBW(E)136690	塑料表观剪切黏度标准物质	Certified Reference Materials of Plastic Apparent Shear Viscosity	铝箔袋 200g	/
光学特性/Optical characteristics				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW13301	乳白玻璃	Opal glass	50mm×50mm	380nm~780nm 光谱反射因数，波长间隔 10nm；三刺激值 X 、 Y 、 Z 和色品坐标 x 、 y 等色度量值(380nm~780nm spectral reflection factor, wavelength interval 10nm; tristimulus values X 、 Y 、 Z , chromaticity coordinates x 、 y .etc)。 $U(Y)=1.6(k=2)$ ； $U(x),U(y)=0.0044$ ， $(k=2)$
GBW13302-1 GBW13302-2 GBW13302-3 GBW13302-4 GBW13302-5 GBW13302-6 GBW13302-7 GBW13302-8 GBW13302-9	陶瓷标准色板	Ceramic plates for colorimetry	9pieces/set	包含系列标准白板（白度 60/70/80/90）、白、红、绿、蓝、黄 9 种色板。提供蓝光白度 R457、380nm~780nm 光谱反射因数，三刺激值 X 、 Y 、 Z 和色品坐标 x 、 y ；CIE1976 明度 L^* 、坐标 a^* 、 b^* 和彩度、色调角 等色度量值(Including series plates for colorimetry(whiteness 60/70/80/90),white,red,green,blue,yellow color plates. providing blue whiteness R457, 380nm~780nm spectral reflection factor, tristimulus values X 、 Y 、 Z , chromaticity coordinates x y. CIE1976 lightness L^* 、coordinates a^* 、 b^* and chroma、Angle .etc)。 $U(R457)=1.6(k=2)$ ；几何条件为 0:d 时， $U(Y)=1.6(k=2)$ 、 $U(x),U(y)=0.0044$ ， $(k=2)$ 。

GBW(E)130413	单晶硅红外透射比标准物质	Infrared Transmittance (Monocrystalline Silicon)	1piece	透射比(transmittance): 4000cm ⁻¹ : 0.537±0.006; 3500cm ⁻¹ : 0.538±0.007; 3000cm ⁻¹ : 0.540±0.006; 2500cm ⁻¹ : 0.541±0.006; 2000cm ⁻¹ : 0.542±0.006; 1300cm ⁻¹ : 0.519±0.006; 1000cm ⁻¹ : 0.500±0.006; 500cm ⁻¹ : 0.456±0.008
GBW(E)130414	聚苯乙烯红外波长标准物质	Infrared Transmission Wavelength (Polystyrene)	1 pieces	吸收峰位置(Absorption peak position)1:3082.26±0.52 (分辨率 resolution: 4 cm ⁻¹) ; 3082.42±0.08 (分辨率: 0.5 cm ⁻¹) ; 吸收峰位置 2: 3060.21±0.52(分辨率: 4 cm ⁻¹); 3060.08±0.06 (分辨率: 0.5 cm ⁻¹) ; 吸收峰位置 3: 3026.15±0.52 (分辨率: 4 cm ⁻¹) ; 3025.80±0.11 (分辨率: 0.5 cm ⁻¹) ; 吸收峰位置 4: 3001.84±0.52 (分辨率: 4 cm ⁻¹) ; 3001.40±0.07 (分辨率: 0.5 cm ⁻¹) ; 吸收峰位置 5: 2849.93±0.52 (分辨率: 4 cm ⁻¹) ; 2849.47±0.06 (分辨率: 0.5 cm ⁻¹) ; 吸收峰位置 6: 1601.31±0.52 (分辨率: 4 cm ⁻¹) ; 1601.15±0.07 (分辨率: 0.5 cm ⁻¹) ; 吸收峰位置 7: 1583.21±0.52 (分辨率: 4 cm ⁻¹) ; 1582.93±0.06 (分辨率: 0.5 cm ⁻¹) ; 吸收峰位置 8: 1154.55±0.52 (分辨率: 4 cm ⁻¹) ; 1154.63±0.05 (分辨率: 0.5 cm ⁻¹) ; 吸收峰位置 9: 1069.21±0.53(分辨率: 4 cm ⁻¹); 1069.32 ±0.11 (分辨率: 0.5 cm ⁻¹) ; 吸收峰位置 10: 1028.43±0.52(分辨率: 4 cm ⁻¹); 1028.22±0.06 (分辨率: 0.5 cm ⁻¹) ; 吸收峰位置 11: 906.84±0.52 (分辨率: 4 cm ⁻¹) ; 906.51±0.08 (分辨率: 0.5 cm ⁻¹) ; 吸收峰位置 12: 842.10±0.68 (分辨率: 4 cm ⁻¹) ; 841.72±0.37 (分辨率: 0.5 cm ⁻¹) ; 吸收峰位置 13: 539.96±0.57 (分辨率: 4 cm ⁻¹) ; 538.98±0.27 (分辨率: 0.5 cm ⁻¹)
GBW(E)130390	红外反射比标准物质	Infrared reflectance standard reference material	1 pieces	反射比(reflectance): 4000cm ⁻¹ ,0.957 ±0.021; 3000cm ⁻¹ ,0.956 ±0.021; 2000cm ⁻¹ ,0.958 ±0.021; 1000cm ⁻¹ ,0.957 ±0.021; 900cm ⁻¹ ,0.958 ±0.021; 800cm ⁻¹ ,0.960 ±0.021; 700cm ⁻¹ ,0.961 ±0.021; 600cm ⁻¹ ,0.962 ±0.021; 500cm ⁻¹ ,0.957 ±0.021

GBW(E)130391	红外透射比标准物质	Infrared transmittance standard reference material	1 pieces	规则透射比(rule transmittance): 4000cm ⁻¹ ,0.0981±0.0030; 3000cm ⁻¹ ,0.0945±0.0030; 2000cm ⁻¹ ,0.0922±0.0030; 1000cm ⁻¹ ,0.0845±0.0030; 800cm ⁻¹ ,0.0792±0.0040。 750cm ⁻¹ ,0.0754±0.0040; 600cm ⁻¹ ,0.0577±0.0040; 500cm ⁻¹ ,0.0810±0.0040
GBW(E)130392	红外反射比标准物质	Infrared diffuse reflectance standard reference material	1 pieces	漫反射比(diffuse reflectance): 5000cm ⁻¹ ,0.909±0.031; 4000cm ⁻¹ ,0.915 ±0.031; 3000cm ⁻¹ ,0.912 ±0.034; 2000cm ⁻¹ ,0.931 ±0.032。
GBW(E)130548	多带宽氧化钬波长标准物质	Holmium Oxide Wavelength Optical Filter under Multi-bandwidth	1piece	吸收峰位置(Absorption peak position)1: 637.3nm±0.2nm (带宽 bandwidth0.5nm) ; 637.5nm±0.2nm (带宽 2nm) ; 637.7nm±0.2nm (带宽 3.5nm) ; 638.0nm±0.2nm (带宽 5nm) ; 吸收峰位置 2: 536.4nm±0.1nm (带宽 0.5nm) ; 536.3nm±0.1nm (带宽 2nm) ; 536.6nm±0.1nm (带宽 3.5nm) ; 537.0nm±0.1nm (带宽 5nm) ; 吸收峰位置 3: 459.9nm±0.1nm (带宽 0.5nm) ; 460.0nm±0.1nm (带宽 2nm) ; 460.1nm±0.1nm (带宽 3.5nm) ; 460.5nm±0.1nm (带宽 5nm) ; 吸收峰位置 4: 453.5nm±0.1nm (带宽 0.5nm) ; 453.6nm±0.1nm (带宽 2nm) ; 453.6nm±0.1nm (带宽 3.5nm) ; ; 吸收峰位置 5: 445.6nm±0.1nm (带宽 0.5nm) ; 445.7nm±0.1nm (带宽 2nm) ; 446.1nm±0.1nm (带宽 3.5nm) ; 446.6nm±0.1nm (带宽 5nm) ; 吸收峰位置 6: 360.6nm±0.1nm (带宽 0.5nm) ; 360.9nm±0.1nm (带宽 2nm) ; 361.0nm±0.1nm (带宽 3.5nm) ; 361.6nm±0.1nm (带宽 5nm) ; 吸收峰位置 7: 333.8nm±0.1nm (带宽 0.5nm) ; 334.1nm±0.1nm (带宽 2nm) ; 吸收峰位置 8: 287.4nm±0.1nm (带宽 0.5nm) ; 287.7nm±0.1nm (带宽 2nm) ; 287.9nm±0.1nm (带宽 3.5nm) ;吸收峰位置 9: 279.1nm±0.1nm (带宽 0.5nm) ; 279.6nm±0.1nm (带宽 2nm)

GBW(E)130549	多带宽镨钕波长 标准物质	Praseodymium-Neodymium Wavelength Optical Filter under Multi-bandwidth	1piece	吸收峰位置(Absorption peak position)1: 878.8nm±0.1nm (带宽 bandwidth2nm); 878.9nm±0.1nm (带宽 3.5nm); 879.8nm±0.1nm (带宽 5nm); 吸收峰位置 2: 807.2nm±0.1nm (带宽 2nm); 807.2nm±0.1nm (带宽 3.5nm); 807.7nm±0.1nm (带宽 5nm); 吸收峰位置 3: 747.8nm±0.1nm (带宽 2nm); 吸收峰位置 4: 739.1nm±0.1nm (带宽 2nm); 739.5nm±0.1nm (带宽 3.5nm); 740.3nm±0.1nm (带宽 5nm); 吸收峰位置 5: 684.8nm±0.1nm (带宽 2nm); 684.7nm±0.1nm (带宽 3.5nm); 685.1nm±0.1nm (带宽 5nm); 吸收峰位置 6: 585.7nm±0.1nm (带宽 2nm); 585.7nm±0.1nm (带宽 3.5nm); 586.3nm±0.1nm (带宽 5nm); 吸收峰位置 7: 572.5nm±0.1nm (带宽 2nm); 572.6nm±0.1nm (带宽 3.5nm); 573.7nm±0.1nm (带宽 5nm); 吸收峰位置 8: 529.7nm±0.1nm (带宽 2nm); 530.1nm±0.1nm (带宽 3.5nm); 531.2nm±0.1nm (带宽 5nm); 吸收峰位置 9: 513.5nm±0.1nm (带宽 2nm); 513.5nm±0.1nm (带宽 3.5nm); 514.0nm±0.1nm (带宽 5nm); 吸收峰位置 10: 473.4nm±0.1nm (带宽 2nm); 473.5nm±0.1nm (带宽 3.5nm); 474.0nm±0.1nm (带宽 5nm); 吸收峰位置 11: 431.2nm±0.1nm (带宽 2nm); 431.3nm±0.1nm (带宽 3.5nm); 432.1nm±0.1nm (带宽 5nm); 吸收峰位置 12: 355.5nm±0.1nm (带宽 2nm); 吸收峰位置 13: 351.0nm±0.1nm (带宽 2nm); 351.3nm±0.1nm (带宽 3.5nm); 353.1nm±0.1nm (带宽 5nm)
GBW(E)130550	可见-近红外波 长标准物质	VIS-NIR Wavelength Optical Filter	1piece	431.3nm±0.2nm (带宽 bandwidth2nm); 473.5nm±0.2nm (带宽 2nm); 513.7nm±0.2nm (带宽 2nm); 529.9nm±0.2nm (带宽 2nm); 572.6nm±0.2nm (带宽 2nm); 585.8nm±0.2nm (带宽 2nm); 684.8nm±0.2nm (带宽 2nm); 739.3nm±0.2nm (带宽 2nm); 748.0nm±0.2nm (带宽 2nm); 807.4nm±0.2nm (带宽 2nm); 1228.3nm±0.4nm (带宽 1.2nm/8cm-1); 1364.9nm±0.4nm (带宽 1.5nm/8cm-1); 1679.6nm±0.4nm (带宽 2.3nm/8cm-1); 1906.2nm±0.4nm (带宽 2.9nm/8cm-1); 1948.1nm±0.4nm (带宽 3nm/8cm-1); 2135.4nm±0.4nm (带宽 3.6nm/8cm-1); 2253.6nm±0.4nm (带宽 4.1nm/8cm-1); 2537.2nm±0.4nm (带宽 5.1nm/8cm-1)

GBW(E)130551	近红外波长标准物质	Near Infrared Wavelength Optical Filter	1piece	1939.0nm±0.7nm（带宽 bandwidth5nm）； 1524.0nm±0.7nm（带宽 5nm）； 1464.6nm±0.7nm（带宽 5nm）； 1362.9nm±0.7nm（带宽 5nm）； 1220.5nm±0.7nm（带宽 5nm）； 1068.3nm±0.7nm（带宽 5nm）
GBW(E)130552	高漫反射比白板标准物质	White Plate With High Diffuse Reflectance	1piece	透射比(transmittance)：2000nm： 0.973±0.009；：1200nm：0.995±0.009；： 800nm：0.998±0.009；：600nm：0.998±0.009；： 380nm：0.987±0.009

渗透压摩尔浓度标准/Osmolality Standard

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)130367	氯化钠溶液（渗透压摩尔浓度标准）	sodium chloride solution（Osmolality Standard）	2mL	(99.9±1.5)mOsmol/kg
GBW(E)130368	氯化钠溶液（渗透压摩尔浓度标准）	sodium chloride solution（Osmolality Standard）	2mL	(200.1±1.5)mOsmol/kg
GBW(E)130369	氯化钠溶液（渗透压摩尔浓度标准）	sodium chloride solution（Osmolality Standard）	2mL	(300.0±1.5)mOsmol/kg
GBW(E)130370	氯化钠溶液（渗透压摩尔浓度标准）	sodium chloride solution（Osmolality Standard）	2mL	(400.1±1.9)mOsmol/kg
GBW(E)130371	氯化钠溶液（渗透压摩尔浓度标准）	sodium chloride solution（Osmolality Standard）	2mL	(500.0±2.3)mOsmol/kg
GBW(E)130372	氯化钠溶液（渗透压摩尔浓度标准）	sodium chloride solution（Osmolality Standard）	2mL	(599.9±2.8)mOsmol/kg
GBW(E)130373	氯化钠溶液（渗透压摩尔浓度标准）	sodium chloride solution（Osmolality Standard）	2mL	(699.6±3.2)mOsmol/kg
NIM-RM2084-1	氯化钠溶液（渗透压摩尔浓度标准）	Sodium Chloride Solution（Osmolality Standard）	2mL	851.0mOsmol/kg, U=9.4mOsmol/kg
NIM-RM2084-2	氯化钠溶液（渗透压摩尔浓度标准）	Sodium Chloride Solution（Osmolality Standard）	2mL	1200.1mOsmol/kg, U=6.3mOsmol/kg
NIM-RM2084-3	氯化钠溶液（渗透压摩尔浓度标准）	Sodium Chloride Solution（Osmolality Standard）	2mL	1499.7mOsmol/kg, U=4.5mOsmol/kg
NIM-RM2084-4	氯化钠溶液（渗透压摩尔浓度标准）	Sodium Chloride Solution	2mL	1798.7mOsmol/kg, U=4.6mOsmol/kg

	透压摩尔浓度标准)	(Osmolality Standard)		
NIM-RM2084-5	氯化钠溶液 (渗透压摩尔浓度标准)	Sodium Chloride Solution (Osmolality Standard)	2mL	1998.3mOsmol/kg, U=5.4mOsmol/kg
NIM-RM2084-6	氯化钠溶液 (渗透压摩尔浓度标准)	Sodium Chloride Solution (Osmolality Standard)	2mL	2497.3mOsmol/kg, U=8.8mOsmol/kg

3. 材料分析与测量

熔体流动速率

Melt Flow Rate

表面分析

Surface Analysis

纳米台阶高度与薄膜膜厚

Nano Step Height and Film Thickness

粒度及浊度

Particle Size and Turbidity

分子量

Molecular Weight

熔体流动速率/Melt Flow Rate				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)130096	聚乙烯熔体流动速率标准物质	Polythene (melt flow rate)	35g	2.20g/10min, $U=0.06\text{g}/10\text{min}$
GBW(E)130097	聚乙烯熔体流动速率标准物质	Polythene (melt flow rate)	35g	3.90g/10min, $U=0.18\text{g}/10\text{min}$
GBW(E)130098	聚乙烯熔体流动速率标准物质	Polythene (melt flow rate)	35g	7.30g/10min, $U=0.35\text{g}/10\text{min}$
GBW(E)130163	聚苯乙烯熔体流动速率标准物质	Polythrene (melt flow rate)	35g	3.00g/10min, $U=0.2\text{g}/10\text{min}$
GBW(E)130164	聚丙烯熔体流动速率标准物质	Polypropylene (melt flow rate)	35g	1.65g/10min, $U=0.11\text{g}/10\text{min}$
GBW(E)130165	聚丙烯熔体流动速率标准物质	Ppolypropylene (melt flow rate)	35g	3.10g/10min, $U=0.22\text{g}/10\text{min}$
NIM-RM2047	熔体流动速率标准物质(聚丙烯)	Melt Flow Rate (PP)	35g	19.11g/10min, $U=0.70\text{g}/10\text{min}$
表面分析/Surface Analysis				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW 13903	碳黑比表面积标准物质	CRMs for specific surface area of black carbon	10g	$(104.6\pm 2.2)\text{m}^2/\text{g}$, $k=2$
GBW 13904	碳黑比表面积标准物质	CRMs for specific surface area of black carbon	10g	$(29.9\pm 0.7)\text{m}^2/\text{g}$, $k=2$
GBW 13905	碳黑比表面积标准物质	CRMs for specific surface area of black carbon	10g	$(8.96\pm 0.30)\text{m}^2/\text{g}$, $k=2$
GBW 13909	介孔 SiO ₂ 比表面积、总孔容及孔径标准物质	CRMs for specific surface area, total pore volume and pore diameter of mesoporous SiO ₂	5g	比表面积(specific surface area): $(511\pm 15)\text{m}^2/\text{g}$; 总孔容(total pore volume): $(0.806\pm 0.021)\text{cm}^3/\text{g}$; 平均孔径(average pore diameter): $(6.31\pm 0.10)\text{nm}$; BJH 最可几孔径(pore diameter): $(5.37\pm 0.08)\text{nm}$
GBW 13910	介孔 SiO ₂ 比表面积、总孔容及孔径标准物质	CRMs for specific surface area, total pore volume and pore diameter of mesoporous SiO ₂	5g	比表面积(specific surface area): $(237.2\pm 5.1)\text{m}^2/\text{g}$; 总孔容(total pore volume): $(0.842\pm 0.017)\text{cm}^3/\text{g}$; 平均孔径(average pore diameter): $(14.21\pm 0.09)\text{nm}$; BJH 最可几孔径(pore diameter): $(9.43\pm 0.11)\text{nm}$
GBW 13911	介孔 Al ₂ O ₃ 比表面积、总孔容及孔径标准物质	CRMs for specific surface area, total pore volume and pore diameter of mesoporous Al ₂ O ₃	10g	比表面积(specific surface area): $(59.3\pm 2.3)\text{m}^2/\text{g}$; 总孔容(total pore volume): (0.279 ± 0.009)

				cm ³ /g; 平均孔径(average pore diameter): (18.84±0.64) nm
GBW 13912	介孔 Al ₂ O ₃ 比表面积、总孔容及孔径标准物质	CRMs for specific surface area, total pore volume and pore diameter of mesoporous Al ₂ O ₃	5g/	比表面积(specific surface area): (144.8±4.9) m ² /g; 总孔容(total pore volume): (0.260±0.012) cm ³ /g; 平均孔径(average pore diameter): (7.19±0.21) nm; BJH 最可几孔径(pore diameter): (4.38±0.07) nm
GBW 13913	Al ₂ O ₃ 比表面积标准物质	CRMs for specific surface area of Al ₂ O ₃	5g	比表面积(specific surface area): (5.47±0.22) m ² /g
GBW(E) 130365	低比表面积标准物质	CRMs for low specific surface area	10g	(0.221±0.013) m ² /g, k=2
GBW(E) 130366	微孔孔容、孔径标准物质	CRMs for micropore volume and median micropore width	2g	微孔孔容 (Micropore volume): (0.242±0.008) cm ³ /g, k=2; 微孔孔径 (Median micropore width): (0.668±0.019) nm, k=2,)
GBW 13914	压汞法介孔 Al ₂ O ₃ 总孔容和孔径标准物质	CRMs for total pore volume and pore diameter of mesoporous Al ₂ O ₃ for mercury porosimetry	10g	总孔容(total pore volume)0.413cm ³ /g、不确定度(Uncertainty)0.026cm ³ /g (k=3), 平均孔径(average pore diameter)14.8nm、不确定度(Uncertainty)1.2nm (k=3), 最可几孔径(pore diameter)11.7nm、不确定度(Uncertainty)0.7nm (k=3), 中位孔径(median pore diameter)14.0nm、不确定度(Uncertainty)0.6nm (k=3)
GBW(E)130545	X 射线光电子能谱仪能量标度标准物质	CRMs for Energy Scale of X-ray Photoelectron Spectromete	3pieces/set	Au 4f7/2 峰位 peak position 84.00eV,U=0.1eV
GBW(E)130546	X 射线光电子能谱仪能量标度标准物质	CRMs for Energy Scale of X-ray Photoelectron Spectromete		Ag 3d5/2 峰位 peak position 368.30eV,U=0.1eV
GBW(E)130547	X 射线光电子能谱仪能量标度标准物质	CRMs for Energy Scale of X-ray Photoelectron Spectromete		Cu 2p3/2 峰位 peak position 932.70eV,U=0.1eV
GBW13650	激发波长 514.5 nm 的拉曼光谱相对强度标准物质	Relative Intensity Correction Standard for Raman Spectroscopy: 514.5 nm Excitation	1piece	/
GBW13651	硫拉曼频移标准物质	Raman Shift Standards for Spectrometer Calibration:	0.5g	/

		Sulfur		
GBW13652	蔡拉曼频移标准物质	Raman Shift Standards for Spectrometer Calibration: Naphthalene	0.25g	/
GBW13653	环己烷拉曼频移标准物质	Raman Shift Standards for Spectrometer Calibration: Cyclohexane	1.5g	/
GBW13654	对乙酰氨基酚拉曼频移标准物质	Raman Shift Standards for Spectrometer Calibration: Acetamidophenol	0.15g	/
GBW13655	透射电子显微镜高放大倍率校准用标准物质	Reference Material for High Magnification Calibration of Transmission Electron Microscope	1 片	/
★GBW13664	聚苯乙烯拉曼频移标准物质	Raman Shift Standards for Spectrometer Calibration: Polystyrene	直径 1 cm, 金属模具固定	拉曼频移 (cm ⁻¹): 621.2,U=2.1;795.5,U=2.2;1001.0,U=2.1;1154.6,U=2.3;1449.0,U=2.1;1583.2,U=2.2;1602.4,U=2.1;2851.3,U=2.3;2907.5,U=2.5;3055.7,U=2.4
★NIM-RM5306	透射电子显微镜污染率和漂移率校准用标准物质	Reference Material for the Calibration of Contamination Rate and Drift Rate of TEM	1 片	/

纳米台阶高度与薄膜膜厚/Nano Step Height and Film Thickness

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW13955	多层膜膜厚 (GaAs/AlAs 超晶格) 标准物质	Multi-layer thin film thickness CRM of GaAs/AlAs superlattice	1piece	10nm,U=0.2nm
GBW13650	激发波长 514.5 nm 的拉曼光谱相对强度标准物质	Relative Intensity Correction Standard for Raman Spectroscopy: 514.5 nm Excitation	1piece	494.5 cm ⁻¹ : 0.05±0.01; 1006.6 cm ⁻¹ : 0.14±0.02; 1991.3.6 cm ⁻¹ : 0.52±0.06; 3015.3 cm ⁻¹ : 0.95±0.07; 4000.0 cm ⁻¹ : 0.91±0.07
GBW13957	二氧化硅薄膜膜厚标准物质	Thin Film Thickness CRM of SiO ₂ /Si	1piece	膜厚 film thickness (nm): 12.56,U=0.30
GBW13958	二氧化硅薄膜膜厚标准物质	Thin Film Thickness CRM of SiO ₂ /Si	1piece	膜厚 film thickness (nm): 20.87,U=0.36
GBW13959	二氧化硅薄膜膜厚标准物质	Thin Film Thickness CRM of SiO ₂ /Si	1piece	膜厚 film thickness (nm): 57.55,U=0.5
GBW13960	二氧化硅薄膜膜厚标准物质	Thin Film Thickness CRM of SiO ₂ /Si	1piece	膜厚 film thickness (nm): 106.1,U=1.7
GBW13961	氮化硅薄膜膜厚标准物质	Thin Film Thickness CRM of Si/Si ₃ N ₄	1piece	膜厚 film thickness (nm): 52.67,U=0.28

GBW13962	氮化硅薄膜膜厚标准物质	Thin Film Thickness CRM of Si/Si ₃ N ₄	1piece	膜厚 film thickness (nm) :104.91,U=0.32
GBW13963	氮化硅薄膜膜厚标准物质	Thin Film Thickness CRM of Si/Si ₃ N ₄	1piece	膜厚 film thickness (nm) :151.8,U=1.0
GBW13964	氮化硅薄膜膜厚标准物质	Thin Film Thickness CRM of Si/Si ₃ N ₄	1piece	膜厚 film thickness (nm) :205.0,U=1.5
GBW13965	二氧化硅纳米薄膜厚度标准物质	CRMs for Thickness of SiO ₂ Nanosized Thin Layers	1piece	厚度 thickness (nm) :9.92,U=0.40
GBW13966	二氧化硅纳米薄膜厚度标准物质	CRMs for Thickness of SiO ₂ Nanosized Thin Layers	1piece	厚度 thickness (nm) :16.24,U=0.28
GBW13967	二氧化硅纳米薄膜厚度标准物质	CRMs for Thickness of SiO ₂ Nanosized Thin Layers	1piece	厚度 thickness (nm) :21.70,U=0.42
GBW13968	二氧化硅纳米薄膜厚度标准物质	CRMs for Thickness of SiO ₂ Nanosized Thin Layers	1piece	厚度 thickness (nm) :25.96,U=0.30
GBW13969	二氧化硅纳米薄膜厚度标准物质	CRMs for Thickness of SiO ₂ Nanosized Thin Layers	1piece	厚度 thickness (nm) :35.75 ,U=0.48
GBW13970	二氧化硅纳米薄膜厚度标准物质	CRMs for Thickness of SiO ₂ Nanosized Thin Layers	1piece	厚度 thickness (nm) :45.61 ,U=0.35
GBW13971	二氧化硅纳米薄膜厚度标准物质	CRMs for Thickness of SiO ₂ Nanosized Thin Layers	1piece	厚度 thickness (nm) :50.96,U=0.85
GBW13972	二氧化硅纳米薄膜厚度标准物质	CRMs for Thickness of SiO ₂ Nanosized Thin Layers	1piece	厚度 thickness (nm) :76.8,U= 1.3
GBW13973	二氧化硅纳米薄膜厚度标准物质	CRMs for Thickness of SiO ₂ Nanosized Thin Layers	1piece	厚度 thickness(nm):102.2,U= 2.6
GBW13974	二氧化硅纳米薄膜厚度标准物质	CRMs for Thickness of SiO ₂ Nanosized Thin Layers	1piece	厚度 thickness (nm) :119.1 ,U=1.6
GBW13979	氧化铪薄膜膜厚标准物质	Thin film thickness CRM of HfO ₂	1 片	厚度 (nm) :1.07 ,U=0.04
GBW13980	氧化铪薄膜膜厚标准物质	Thin film thickness CRM of HfO ₂	1 片	厚度 (nm) :4.73 ,U=0.04
GBW13981	氧化铪薄膜膜厚标准物质	Thin film thickness CRM of HfO ₂	1 片	厚度 (nm) :9.37 ,U=0.06
★GBW13975	纳米台阶高度标准物质	Nano-step Height Reference Material	1 片	6.6 nm,U=1.2 nm
★GBW13976	纳米台阶高度标准物质	Nano-step Height Reference Material	1 片	10.8 nm,U=1.0 nm
★GBW13977	纳米台阶高度标准物质	Nano-step Height Reference Material	1 片	21.3 nm,U=2.0 nm
★GBW13978	纳米台阶高度标准物质	Nano-step Height Reference Material	1 片	40.8 nm,U=2.0 nm
★GBW(E)130664	铜铟镓硒薄膜原子分数标准物质	CRM for Atomic Fractions of Cu(In,Ga)Se ₂ Film	1 片 (10mm×10mm×2mm)/单元	Cu 原子分数: 0.235, U=0.011; In 原子分数: 0.1663, U=0.0083; Ga 原子分数: 0.0932, U=0.0053; Se 原子分数: 0.505, U=0.015

粒度及浊度/Particle Size and Turbidity

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)120001	微粒标准物质	Particle size	10mL	数量峰值粒径(number peak particle size): (1.95±0.06)μm; 数量均值粒径(number-average partical size): (1.98±0.05)μm; 质量峰值粒径(mass peak particle size): (2.02±0.07)μm; 质量均值粒径(mass-average partical size): (2.08±0.08)μm
GBW(E)120002a	微粒标准物质	Particle size	10mL	数量峰值粒径(number peak particle size): (3.49±0.09)μm; 数量均值粒径(number-average partical size): (3.48±0.10)μm; 数量中值粒径(number median particle size): (3.48±0.11)μm; 质量峰值粒径(mass peak particle size): (3.57±0.12)μm; 质量均值粒径(mass-average partical size): (3.63±0.10)μm; 质量中值粒径(mass median particle size): (3.58±0.09)μm
GBW(E)120003	微粒标准物质	Particle size	10mL	数量峰值粒径(number peak particle size): (1.95±0.06)μm; 数量均值粒径(number-average partical size): (1.98±0.05)μm; 质量峰值粒径(mass peak particle size): (2.02±0.07)μm; 质量均值粒径(mass-average partical size): (2.08±0.08)μm
GBW(E)120004a	微粒标准物质	Particle size	10mL	数量峰值粒径(number peak particle size): (9.2±0.2)μm; 数量均值粒径(number-average partical size): (9.4±0.2)μm; 数量中值粒径(number median particle size): (9.7±0.2)μm; 质量峰值粒径(mass peak particle size): (9.7±0.3)μm; 质量均值粒径(mass-average partical size): (9.8±0.3)μm; 质量中值粒径(mass median particle size): (10.1±0.2)μm

GBW(E)120005	微粒标准物质	Particle size	10mL	数量峰值粒径(number peak particle size): (16.14±0.34)μm; 数量均值粒径(number-average partical size): (16.32±0.54)μm; 质量峰值粒径(mass peak particle size): (16.32±0.02)μm; 质量均值粒径(mass-average partical size): (16.64±0.21)μm
GBW(E)120006a	微粒标准物质	Particle size	10mL	数量峰值粒径(number peak particle size): (22.4±0.2)μm; 数量均值粒径(number-average partical size): (22±0.3)μm; 数量中值粒径(number median particle size): (22.1±0.2)μm; 质量峰值粒径(mass peak particle size): (22.5±0.1)μm; 质量均值粒径(mass-average partical size): (22.4±0.2)μm; 质量中值粒径(mass median particle size): (22.4±0.2)μm
GBW(E)120007	微粒标准物质	Particle size	10mL	数量峰值粒径(number peak particle size): (36.6±1.6)μm; 数量均值粒径(number-average partical size): (37±1.1)μm; 质量峰值粒径(mass peak particle size): (38.5±0.8)μm; 质量均值粒径(mass-average partical size): (38.7±1.1)μm
GBW(E)120008	微粒标准物质	Particle size	10mL	数量峰值粒径(number peak particle size): (75±2.1)μm; 数量均值粒径(number-average partical size): (75±1.9)μm; 质量峰值粒径(mass peak particle size): (77.0±2.9)μm; 质量均值粒径(mass-average partical size): (77.3±3.3)μm
GBW12017	微粒粒度标准物质	Particle size	9mL	数量平均粒径(number-average partical size):(1294± 10) nm; 体积平均粒径(volume-average partical size): (1294± 10) nm
GBW12018	微粒粒度标准物质	Particle size	9mL	数量平均粒径(number-average partical size):(280.3± 2.6) nm; 体积平均粒径(volume-average partical size): (280.3± 2.6) nm

GBW12019	微粒粒度标准物质	Particle size	9mL	数量平均粒径(number-average partical size):115.1± 1.2) nm; 体积平均粒径(volume-average partical size): (115.1± 1.2) nm
GBW12031	粒度标准物质	Particle Size	9mL	数量平均粒径(number-average partical size):(487.2±4.1)nm; 体积平均粒径(volume-average partical size) :(487.5±4.1)nm
GBW(E)120086	微粒粒度标准物质	Particle Size Certified Reference Materials	9mL	数量平均粒径(number-average partical size):(776.2±6.5)nm; 体积平均粒径(volume-average partical size):(777.4±6.5)nm
GBW(E)120087	微粒粒度标准物质	Particle Size Certified Reference Materials	9mL	数量平均粒径(number-average partical size):(709.3±5.9)nm; 体积平均粒径(volume-average partical size):(710.0±5.9)nm
GBW(E)120088	微粒粒度标准物质	Particle Size Certified Reference Materials	9mL	数量平均粒径(number-average partical size):(424.5±3.8)nm; 体积平均粒径(volume-average partical size):(424.7±3.8)nm
GBW(E)120089	微粒粒度标准物质	Particle Size Certified Reference Materials	9mL	数量平均粒径(number-average partical size):(209.1±3.2)nm; 体积平均粒径(volume-average partical size):(209.3±3.2)nm
GBW(E)120090	微粒粒度标准物质	Particle Size Certified Reference Materials	9mL	数量平均粒径(number-average partical size):(84.0±1.9)nm; 体积平均粒径(volume-average partical size):(84.2±1.9)nm
GBW(E)120091	微粒粒度标准物质	Particle Size Certified Reference Materials	9mL	数量平均粒径(number-average partical size):(65.2±1.5)nm; 体积平均粒径(volume-average partical size):(65.4±1.5)nm
GBW 12001	浊度标准物质	Turbidity	90mL	400NUT, U=3%
NIM-RM 2048	聚合物悬浊液浊度标准物质	Polymer Suspension turbidity solution	90mL	在 1 小时之内的浊度值变化小于 0.2%(the changes of turbidity within 0.2% in one hour)
GBW13642	PM2.5 监测仪检测用标准物质	Size Certified Reference Materials for PM2.5 monitor detection	10mL	空气动力学当量直径 (nm) :1491,U= 38
GBW13643	PM2.5 监测仪检测用标准物质	Size Certified Reference Materials for PM2.5 monitor detection	10mL	空气动力学当量直径 (nm) :1837,U= 41
GBW13644	PM2.5 监测仪检测用标准物质	Size Certified Reference Materials for PM2.5 monitor detection	10mL	空气动力学当量直径 (nm) :2217,U= 45

GBW13645	PM2.5 监测仪检测用标准物质	Size Certified Reference Materials for PM2.5 monitor detection	10mL	空气动力学当量直径 (nm) :2505,U= 49
GBW13646	PM2.5 监测仪检测用标准物质	Size Certified Reference Materials for PM2.5 monitor detection	10mL	空气动力学当量直径 (nm) :2813,U= 52
GBW13647	PM2.5 监测仪检测用标准物质	Size Certified Reference Materials for PM2.5 monitor detection	10mL	空气动力学当量直径 (nm) :3216 ,U=57
GBW13648	PM2.5 监测仪检测用标准物质	Size Certified Reference Materials for PM2.5 monitor detection	10mL	空气动力学当量直径 (nm) :3748,U=64
GBW13649	PM2.5 监测仪检测用标准物质	Size Certified Reference Materials for PM2.5 monitor detection	10mL	空气动力学当量直径 (nm) :4220,U=71
GBW(E)120128	微粒粒度标准物质	Particle size	10mL	数量平均粒径(number-average partical size): 607.5nm; 体积平均粒径(volume-average partical size): 608.3 nm; U=4.8nm
GBW(E)120129	微粒粒度标准物质	Particle size	10mL	数量平均粒径(number-average partical size): 5.00μm; 体积平均粒径(volume-average partical size): 5.01μm; U=0.04μm
GBW(E)120130	微粒粒度标准物质	Particle size	10mL	数量平均粒径(number-average partical size): 9.86μm; 体积平均粒径(volume-average partical size): 9.89μm; U=0.06μm
GBW(E)120131	微粒粒度标准物质	Particle size	10mL	数量平均粒径(number-average partical size): 15.33μm; 体积平均粒径(volume-average partical size): 15.60μm; U=0.09μm
GBW(E)120132	微粒粒度标准物质	Particle size	10mL	数量平均粒径(number-average partical size): 24.59μm; 体积平均粒径(volume-average partical size): 24.66μm; U=0.18μm
GBW(E)120133	微粒粒度标准物质	Particle size	10mL	数量平均粒径(number-average partical size): 50.2μm; 体积平均粒径(volume-average partical size): 52.6μm; U=0.5μm
GBW12002	校准试验筛用玻璃微珠标准物质	Glass beads for calibrating test sieves	80g	effective grain-size : (65.0~216.3)μm, U=5%
GBW12003	校准试验筛用玻璃微珠标准物质	Glass beads for calibrating test sieves	50g	effective grain-size: (26.8~87.0)μm, U=5%
GBW(E)120011	浊度标准物质	Turbidity standard solution	90mL	400NTU, U=5%
GBW(E)120012	浊度标准物质	Turbidity standard solution	90mL	100EBC, U=5%

GBW(E)120151	微米级粒度标准物质	Particle Size Certified Reference Materials	10mL	数量平均粒径 2.009 μm , $U=0.014\mu\text{m}$; 中值粒径 2.008 μm , $U=0.014\mu\text{m}$; 体积平均粒径 2.012 μm , $U=0.012\mu\text{m}$
GBW(E)120152	微米级粒度标准物质	Particle Size Certified Reference Materials	10mL	数量平均粒径 19.77 μm , $U=0.13\mu\text{m}$; 中值粒径 20.37 μm , $U=0.14\mu\text{m}$; 体积平均粒径 20.12 μm , $U=0.17\mu\text{m}$
GBW(E)120153	微米级粒度标准物质	Particle Size Certified Reference Materials	0.2g/瓶	数量平均粒径 103.4 μm , $U=$ 1.4 μm ; 中值粒径 102.9 μm , $U=1.4\mu\text{m}$; 体积平均粒径 104.4 μm , $U=1.1\mu\text{m}$

分子量/Molecular Weight

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW05101	窄分布聚苯乙烯分子 子量标准物质	polystyene(narrow molecular weight distribution)	2g	$M_w=4.63\times 10^4$, $U=0.6\%$
GBW05102	窄分布聚苯乙烯分子 子量标准物质	polystyene(narrow molecular weight distribution)	2g	$M_w=17.24\times 10^4$, $U=0.6\%$
GBW(E)050001	窄分布聚苯乙烯分子 子量标准物质 (25℃)	Polystyene(narrow molecular weight distribution)	0.2g	数均分子量(number-average molecular weight): 4.18 $\times 10^4$ g/mol, $U=0.2\%$; 重均分子量 (weight-average molecular weight): 4.63 $\times 10^4$ g/mol, $U=0.6\%$; 特性粘度(intrinsic viscosity): 27.15ml/g, $U=0.24\%$
GBW(E)050002	窄分布聚苯乙烯分子 子量标准物质 (25℃)	Polystyene(narrow molecular weight distribution)	0.2g	数均分子量(number-average molecular weight): 14.36 $\times 10^4$ g/mol, $U=0.7\%$; 重均分子量 (weight-average molecular weight): 17.24 $\times 10^4$ g/mol, $U=0.6\%$; 特性粘度(intrinsic viscosity): 67.79ml/g, $U=0.22\%$
GBW(E)050003	窄分布聚苯乙烯分子 子量标准物质 (25℃)	Polystyene(narrow molecular weight distribution)	0.2g	数均分子量(number-average molecular weight): 50.4 $\times 10^4$ g/mol, $U=2.2\%$; 重均分子量 (weight-average molecular weight): 63.5 $\times 10^4$ g/mol, $U=1\%$; 特性粘度(intrinsic viscosity): 169.13ml/g, $U=0.53\%$
NIM-RM2068	聚苯乙烯分子量标 准物质	Polystyene(narrow molecular weight distribution)	0.2g	M_w : 2000, M_n : 1900, $U=8.5\%$
NIM-RM2069	聚苯乙烯分子量标 准物质	Polystyene(narrow molecular weight distribution)	0.2g	M_w : 4150, M_n : 4029, $U=8.5\%$

GBW(E)050004	葡聚糖分子量标准物质	Dextran(narrow molecular weight distribution)	0.2g	Mw: 4320, U=7.6%
GBW(E)050005	葡聚糖分子量标准物质	Dextran(narrow molecular weight distribution)	0.2g	Mw: 12600, U=7.8%
GBW(E)050006	葡聚糖分子量标准物质	Dextran(narrow molecular weight distribution)	0.2g	Mw: 60600, U=7.6%
GBW(E)050007	葡聚糖分子量标准物质	Dextran(narrow molecular weight distribution)	0.2g	Mw: 110000, U=7.8%
GBW(E)050008	葡聚糖分子量标准物质	Dextran(narrow molecular weight distribution)	0.2g	Mw: 289000, U=7.8%
GBW(E)050009	葡聚糖分子量标准物质	Dextran(narrow molecular weight distribution)	0.2g	Mw: 521000, U=7.6%
★GBW12041	窄分布中级实验粉尘 (MTD) 粒度标准物质	Medium Test Dust (MTD) with Narrow Distribution Particle Size Certified Reference Material	15mg/瓶	数量平均粒径: 4.37 μm , 中值粒径: 4.36 μm , 扩展不确定度(k=2) 0.09 μm
★GBW12042	窄分布中级实验粉尘 (MTD) 粒度标准物质	Medium Test Dust (MTD) with Narrow Distribution Particle Size Certified Reference Material	25mg/瓶	数量平均粒径: 7.73 μm , 中值粒径: 7.66 μm , 扩展不确定度(k=2) 0.10 μm
★GBW12043	窄分布中级实验粉尘 (MTD) 粒度标准物质	Medium Test Dust (MTD) with Narrow Distribution Particle Size Certified Reference Material	35mg/瓶	数量平均粒径: 18.03 μm , 中值粒径: 17.98 μm , 扩展不确定度(k=2) 0.28 μm
★GBW12044	窄分布中级实验粉尘 (MTD) 粒度标准物质	Medium Test Dust (MTD) with Narrow Distribution Particle Size Certified Reference Material	100mg/瓶	数量平均粒径: 29.15 μm , 中值粒径: 29.16 μm , 扩展不确定度(k=2) 0.43 μm
★GBW12045	窄分布中级实验粉尘 (MTD) 粒度标准物质	Medium Test Dust (MTD) with Narrow Distribution Particle Size Certified Reference Material	300mg/瓶	数量平均粒径: 37.27 μm , 中值粒径: 37.02 μm , 扩展不确定度(k=2) 0.39 μm
★GBW12046	窄分布中级实验粉尘 (MTD) 粒度标准物质	Medium Test Dust (MTD) with Narrow Distribution Particle Size Certified Reference Material	220mg/瓶	数量平均粒径: 50.75 μm , 中值粒径: 50.62 μm , 扩展不确定度(k=2) 0.69 μm
★GBW12047	窄分布中级实验粉尘 (MTD) 粒度标准物质	Medium Test Dust (MTD) with Narrow Distribution Particle Size Certified Reference Material	400mg/瓶	数量平均粒径: 63.62 μm , 中值粒径: 63.12 μm , 扩展不确定度(k=2) 0.78 μm

10.核材料与放射性/Nuclear and Radioactivity

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW04418	氩-氩法地质年龄标准物质(角闪石)	The hornblende reference material using ^{40}Ar - ^{39}Ar dating	6.3g	K, ^{40}Ar , age
GBW04437	锌同位素标准物质	Isotopic abundance ratios of Zinc in $\text{Zn}(\text{NO}_3)_2$ solution	1.5mL	$^{64}\text{Zn}/^{66}\text{Zn}$:1.7629, $U=0.14\%$; $^{67}\text{Zn}/^{66}\text{Zn}$:0.14483, $U=0.071\%$; $^{68}\text{Zn}/^{66}\text{Zn}$:0.66535, $U=0.13\%$; $^{70}\text{Zn}/^{66}\text{Zn}$:0.02120, $U=0.78\%$;
GBW04438	钐同位素标准物质	Isotopic abundance ratios of Samarium in $\text{Sm}(\text{NO}_3)_3$ solution	1.5mL	$^{144}\text{Sm}/^{152}\text{Sm}$:0.11551, $U=0.094\%$; $^{147}\text{Sm}/^{152}\text{Sm}$:0.56172, $U=0.090\%$; $^{148}\text{Sm}/^{152}\text{Sm}$:0.42131, $U=0.092\%$; $^{149}\text{Sm}/^{152}\text{Sm}$:0.51758, $U=0.092\%$; $^{150}\text{Sm}/^{152}\text{Sm}$:0.27571, $U=0.112\%$; $^{154}\text{Sm}/^{152}\text{Sm}$:0.84990, $U=0.088\%$;
GBW04440	钕同位素标准物质	Isotopic Abundances of Neodymium in $\text{Nd}(\text{NO}_3)_3$ Solution	1.5mL	^{142}Nd , ^{143}Nd , ^{144}Nd , ^{145}Nd , ^{146}Nd , ^{148}Nd , ^{150}Nd
GBW04441	^{111}Cd 浓缩同位素稀释剂标准物质	Enriched Isotope ^{111}Cd Spike Solution	5mL	$^{106}\text{Cd}/^{111}\text{Cd}$:0.0000923 $\pm$ 0.0000012; $^{108}\text{Cd}/^{111}\text{Cd}$:0.0001067 $\pm$ 0.0000015; $^{110}\text{Cd}/^{111}\text{Cd}$:0.006247 $\pm$ 0.000018; $^{112}\text{Cd}/^{111}\text{Cd}$:0.018548 $\pm$ 0.000053; $^{113}\text{Cd}/^{111}\text{Cd}$:.004377 $\pm$ 0.000013; $^{114}\text{Cd}/^{111}\text{Cd}$:0.006102 $\pm$ 0.000019; $^{116}\text{Cd}/^{111}\text{Cd}$: 0.0009359 $\pm$ 0.0000081; Cd: (5.680 $\pm$ 0.011) $\times 10^{-8}$ mol/g
GBW04442	^{207}Pb 浓缩同位素稀释剂标准物质	Enriched Isotope ^{207}Pb Spike Solution	5mL	$^{204}\text{Pb}/^{207}\text{Pb}$: 0.0010554 $\pm$ 0.0000063; $^{206}\text{Pb}/^{207}\text{Pb}$: 0.015749 $\pm$ 0.000066; $^{208}\text{Pb}/^{207}\text{Pb}$: 0.18194 $\pm$ 0.00023; Pb:(1.9361 $\pm$ 0.0039) $\times 10^{-8}$ mol/g
GBW04443	^{202}Hg 浓缩同位素稀释剂标准物质	Enriched Isotope ^{202}Hg Spike Solution	5mL	$^{196}\text{Hg}/^{202}\text{Hg}$: 0.0003832 $\pm$ 0.0000030; $^{198}\text{Hg}/^{202}\text{Hg}$: 0.000831 $\pm$ 0.000038; $^{199}\text{Hg}/^{202}\text{Hg}$: 0.002290 $\pm$ 0.000065; $^{200}\text{Hg}/^{202}\text{Hg}$: 0.003387 $\pm$ 0.000086; $^{201}\text{Hg}/^{202}\text{Hg}$: 0.002245 $\pm$ 0.000054; $^{204}\text{Hg}/^{202}\text{Hg}$: 0.001903 $\pm$ 0.000033; Hg: (2.978 $\pm$ 0.024) $\times 10^{-8}$ mol/g
GBW04444	铁同位素丰度标准物质	Isotopic abundances of iron in $\text{Fe}(\text{NO}_3)_3$	2mL	^{54}Fe 丰度(abundance): (0.00594 $\pm$ 0.00021) %; ^{56}Fe 丰度(abundance): (99.9405 $\pm$ 0.0044) %; ^{57}Fe 丰度(abundance): (0.04228 $\pm$ 0.00025) %; ^{58}Fe 丰度(abundance): (0.0113 $\pm$ 0.0048) %

GBW04445	铁同位素丰度标准物质	Isotopic abundances of iron in $\text{Fe}(\text{NO}_3)_3$	2mL	^{54}Fe 丰度(abundance): (99.9048±0.0016) %; ^{56}Fe 丰度(abundance): (0.0937±0.0017) %; ^{57}Fe 丰度(abundance): (0.00153±0.00020) %
GBW04446	铁同位素丰度标准物质	Isotopic abundances of iron in $\text{Fe}(\text{NO}_3)_3$	2mL	^{54}Fe 丰度(abundance): (5.8363±0.0062) %; ^{56}Fe 丰度(abundance): (91.7621±0.0066) %; ^{57}Fe 丰度(abundance): (2.1219±0.0057) %; ^{58}Fe 丰度(abundance): (0.2797±0.0079) %
GBW04447	硒同位素溶液标准物质	Selenium Isotopic Reference Material in in Selenious Acid Solution	2mL	$^{78}\text{Se}/^{76}\text{Se}$: 0.020526±0.000007; $^{80}\text{Se}/^{76}\text{Se}$: 0.019722±0.000009; $^{82}\text{Se}/^{76}\text{Se}$: 0.019680±0.000008; $^{74}\text{Se}/^{76}\text{Se}$: 0.000749±0.000040; $^{77}\text{Se}/^{76}\text{Se}$: 0.00415±0.00008
GBW04448	硒同位素溶液标准物质	Selenium Isotopic Reference Material in Selenious Acid Solution	2mL	$^{78}\text{Se}/^{76}\text{Se}$: 0.050555±0.000024; $^{80}\text{Se}/^{76}\text{Se}$: 0.049379±0.000026; $^{82}\text{Se}/^{76}\text{Se}$: 0.051232±0.000027; $^{74}\text{Se}/^{76}\text{Se}$: 0.001234±0.000029; $^{77}\text{Se}/^{76}\text{Se}$: 0.009591±0.000008
GBW04449	硒同位素溶液标准物质	Selenium Isotopic Reference Material in Selenious Acid Solution	2mL	$^{78}\text{Se}/^{76}\text{Se}$: 0.102274±0.000051; $^{80}\text{Se}/^{76}\text{Se}$: 0.101196±0.000035; $^{82}\text{Se}/^{76}\text{Se}$: 0.101567±0.000049; $^{74}\text{Se}/^{76}\text{Se}$: 0.002127±0.000037; $^{77}\text{Se}/^{76}\text{Se}$: 0.017375±0.000004
GBW04450	硒同位素溶液标准物质	Selenium Isotopic Reference Material in Selenious Acid Solution	2mL	$^{78}\text{Se}/^{76}\text{Se}$: 0.20400±0.00007; $^{80}\text{Se}/^{76}\text{Se}$: 0.20244±0.00009; $^{82}\text{Se}/^{76}\text{Se}$: 0.20670±0.00008; $^{74}\text{Se}/^{76}\text{Se}$: 0.003929±0.000042; $^{77}\text{Se}/^{76}\text{Se}$: 0.031944±0.000012
GBW04451	硒同位素溶液标准物质	Selenium Isotopic Reference Material in Selenious Acid Solution	2mL	$^{78}\text{Se}/^{76}\text{Se}$: 0.40375±0.00013; $^{80}\text{Se}/^{76}\text{Se}$: 0.39891±0.00016; $^{82}\text{Se}/^{76}\text{Se}$: 0.39912±0.00016; $^{74}\text{Se}/^{76}\text{Se}$: 0.007334±0.000040; $^{77}\text{Se}/^{76}\text{Se}$: 0.060682±0.000029
GBW04452	硒同位素溶液标准物质	Selenium Isotopic Reference Material in Selenious Acid Solution	2mL	$^{78}\text{Se}/^{76}\text{Se}$: 0.93100±0.00027; $^{80}\text{Se}/^{76}\text{Se}$: 0.92710±0.00029; $^{82}\text{Se}/^{76}\text{Se}$: 0.93799±0.00035; $^{74}\text{Se}/^{76}\text{Se}$: 0.016536±0.000009; $^{77}\text{Se}/^{76}\text{Se}$: 0.135987±0.000044
GBW04453	硒同位素溶液标准物质	Selenium Isotopic Reference Material in Selenious Acid Solution	2mL	$^{78}\text{Se}/^{76}\text{Se}$: 2.5608±0.0009; $^{80}\text{Se}/^{76}\text{Se}$: 2.5354±0.0010; $^{82}\text{Se}/^{76}\text{Se}$: 2.5211±0.0014; $^{74}\text{Se}/^{76}\text{Se}$: 0.044406±0.000027; $^{77}\text{Se}/^{76}\text{Se}$: 0.36330±0.00008

GBW04454	硒同位素溶液标准物质	Selenium Isotopic Reference Material in Selenious Acid Solution	2mL	$^{78}\text{Se}/^{76}\text{Se}$: 5.4564±0.0025; $^{80}\text{Se}/^{76}\text{Se}$: 5.4047±0.0027; $^{82}\text{Se}/^{76}\text{Se}$: 5.3985±0.0032; $^{74}\text{Se}/^{76}\text{Se}$: 0.09376±0.00010; $^{77}\text{Se}/^{76}\text{Se}$: 0.76826±0.00019
GBW04455	硒同位素溶液标准物质	Selenium Isotopic Reference Material in Selenious Acid Solution	2mL	$^{78}\text{Se}/^{76}\text{Se}$: 10.1225±0.0043; $^{80}\text{Se}/^{76}\text{Se}$: 9.9670±0.0046; $^{82}\text{Se}/^{76}\text{Se}$: 10.0997±0.0042; $^{74}\text{Se}/^{76}\text{Se}$: 0.09390±0.00006; $^{77}\text{Se}/^{76}\text{Se}$: 0.79040±0.00019
GBW04456	硒同位素溶液标准物质	Selenium Isotopic Reference Material in Selenious Acid Solution	2mL	$^{78}\text{Se}/^{76}\text{Se}$: 15.0034±0.0044; $^{80}\text{Se}/^{76}\text{Se}$: 14.8697±0.0050; $^{82}\text{Se}/^{76}\text{Se}$: 15.1890±0.0054; $^{74}\text{Se}/^{76}\text{Se}$: 0.09480±0.00013; $^{77}\text{Se}/^{76}\text{Se}$: 0.79348±0.00025
GBW04457	硒同位素溶液标准物质	Selenium Isotopic Reference Material in Selenious Acid Solution	2mL	$^{78}\text{Se}/^{76}\text{Se}$: 2.5675±0.0012; $^{80}\text{Se}/^{76}\text{Se}$: 5.3980±0.0023; $^{82}\text{Se}/^{76}\text{Se}$: 0.95588±0.0055; $^{74}\text{Se}/^{76}\text{Se}$: 0.09354±0.00010; $^{77}\text{Se}/^{76}\text{Se}$: 0.82329±0.00024
GBW04462	^{54}Fe 浓缩同位素稀释剂标准物质	Enriched Isotope ^{54}Fe Spike Solution	5mL	丰度比(abundance ratio) $^{56}\text{Fe}/^{54}\text{Fe}$:0.11313±0.00015; $^{57}\text{Fe}/^{54}\text{Fe}$:0.002313±0.000044; $^{58}\text{Fe}/^{54}\text{Fe}$:0.0002673±0.000055; 浓度 (concentration)(1.4467±0.0072)×10 ⁻⁷ mol/g
GBW04463	^{65}Cu 浓缩同位素稀释剂标准物质	Enriched Isotope ^{65}Cu Spike Solution	5mL	丰度比(abundance ratio) $^{63}\text{Cu}/^{65}\text{Cu}$:0.11584±0.00042; 浓度 (concentration)(1.5680±0.0060)×10 ⁻⁷ mol/g
GBW04464	^{67}Zn 浓缩同位素稀释剂标准物质	Enriched Isotope ^{67}Zn Spike Solution	5mL	丰度比(abundance ratio) $^{64}\text{Zn}/^{67}\text{Zn}$:0.02486±0.00045; $^{66}\text{Zn}/^{67}\text{Zn}$:0.06362±0.00011; $^{68}\text{Zn}/^{67}\text{Zn}$:0.14544±0.00093; $^{70}\text{Zn}/^{67}\text{Zn}$:0.001432±0.000037; 浓度 (concentration)(1.3218±0.0043)×10 ⁻⁷ mol/g
GBW04465	锌同位素丰度比溶液标准物质	Zinc Isotopic Reference Material in Solution	2mL	$^{64}\text{Zn}/^{66}\text{Zn}$: 0.023520, U =0.000052; $^{67}\text{Zn}/^{66}\text{Zn}$: 0.023166, U = 0.000036; $^{68}\text{Zn}/^{66}\text{Zn}$: 0.024529, U =0.000025; $^{70}\text{Zn}/^{66}\text{Zn}$: 0.0003070, U = 0.0000028
GBW04466	锌同位素丰度比溶液标准物质	Zinc Isotopic Reference Material in Solution	2mL	$^{64}\text{Zn}/^{66}\text{Zn}$: 0.053974, U =0.000037; $^{67}\text{Zn}/^{66}\text{Zn}$: 0.052045, U =0.000035; $^{68}\text{Zn}/^{66}\text{Zn}$: 0.050158, U =0.000028; $^{70}\text{Zn}/^{66}\text{Zn}$: 0.0007112, U =0.0000044

GBW04467	锌同位素丰度比溶液标准物质	Zinc Isotopic Reference Material in Solution	2mL	$^{64}\text{Zn}/^{66}\text{Zn}$: 0.107086, $U=0.000050$; $^{67}\text{Zn}/^{66}\text{Zn}$: 0.101651, $U=0.000059$; $^{68}\text{Zn}/^{66}\text{Zn}$: 0.103674, $U=0.000034$; $^{70}\text{Zn}/^{66}\text{Zn}$: 0.0014234, $U=0.0000079$
GBW04468	锌同位素丰度比溶液标准物质	Zinc Isotopic Reference Material in Solution	2mL	$^{64}\text{Zn}/^{66}\text{Zn}$: 0.21066, $U=0.00008$; $^{67}\text{Zn}/^{66}\text{Zn}$: 0.21015, $U=0.00009$; $^{68}\text{Zn}/^{66}\text{Zn}$: 0.20245, $U=0.00005$; $^{70}\text{Zn}/^{66}\text{Zn}$: 0.002832, $U=0.000013$
GBW04469	锌同位素丰度比溶液标准物质	Zinc Isotopic Reference Material in Solution	2mL	$^{64}\text{Zn}/^{66}\text{Zn}$: 0.41151, $U=0.00015$; $^{67}\text{Zn}/^{66}\text{Zn}$: 0.40901, $U=0.00016$; $^{68}\text{Zn}/^{66}\text{Zn}$: 0.40215, $U=0.00009$; $^{70}\text{Zn}/^{66}\text{Zn}$: 0.005545, $U=0.000017$
GBW04470	锌同位素丰度比溶液标准物质	Zinc Isotopic Reference Material in Solution	2mL	$^{64}\text{Zn}/^{66}\text{Zn}$: 1.02654, $U=0.00044$; $^{67}\text{Zn}/^{66}\text{Zn}$: 1.02329, $U=0.00039$; $^{68}\text{Zn}/^{66}\text{Zn}$: 1.00263, $U=0.00024$; $^{70}\text{Zn}/^{66}\text{Zn}$: 0.013844, $U=0.000022$
GBW04471	锌同位素丰度比溶液标准物质	Zinc Isotopic Reference Material in Solution	2mL	$^{64}\text{Zn}/^{66}\text{Zn}$: 2.72613, $U=0.00087$; $^{67}\text{Zn}/^{66}\text{Zn}$: 2.75284, $U=0.00096$; $^{68}\text{Zn}/^{66}\text{Zn}$: 2.96383, $U=0.00079$; $^{70}\text{Zn}/^{66}\text{Zn}$: 0.022318, $U=0.000042$
GBW04472	锌同位素丰度比溶液标准物质	Zinc Isotopic Reference Material in Solution	2mL	$^{64}\text{Zn}/^{66}\text{Zn}$: 4.5101, $U=0.0016$; $^{67}\text{Zn}/^{66}\text{Zn}$: 4.6092, $U=0.0020$; $^{68}\text{Zn}/^{66}\text{Zn}$: 4.8437, $U=0.0018$; $^{70}\text{Zn}/^{66}\text{Zn}$: 0.022723, $U=0.000065$
GBW04473	锌同位素丰度比溶液标准物质	Zinc Isotopic Reference Material in Solution	2mL	$^{64}\text{Zn}/^{66}\text{Zn}$: 8.1007, $U=0.0033$; $^{67}\text{Zn}/^{66}\text{Zn}$: 8.2776, $U=0.0044$; $^{68}\text{Zn}/^{66}\text{Zn}$: 8.0649, $U=0.0024$; $^{70}\text{Zn}/^{66}\text{Zn}$: 0.023388, $U=0.000067$
GBW04474	锌同位素丰度比溶液标准物质	Zinc Isotopic Reference Material in Solution	2mL	$^{64}\text{Zn}/^{66}\text{Zn}$: 12.9401, $U=0.0048$; $^{67}\text{Zn}/^{66}\text{Zn}$: 13.2049, $U=0.0087$; $^{68}\text{Zn}/^{66}\text{Zn}$: 13.7184, $U=0.0051$; $^{70}\text{Zn}/^{66}\text{Zn}$: 0.024471, $U=0.000072$
GBW04475	锌同位素丰度比溶液标准物质	Zinc Isotopic Reference Material in Solution	2mL	$^{64}\text{Zn}/^{66}\text{Zn}$: 1.77373, $U=0.00068$; $^{67}\text{Zn}/^{66}\text{Zn}$: 0.145688, $U=0.000062$; $^{68}\text{Zn}/^{66}\text{Zn}$: 0.66506, $U=0.00021$; $^{70}\text{Zn}/^{66}\text{Zn}$: 0.021978, $U=0.000029$
GBW 04601	钐同位素溶液标准物质	Samarium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{144}\text{Sm}/^{149}\text{Sm}$: (0.20322±0.00005) ; $^{147}\text{Sm}/^{149}\text{Sm}$: (0.97836±0.00022) ; $^{148}\text{Sm}/^{149}\text{Sm}$: (0.73342±0.00017) ; $^{150}\text{Sm}/^{149}\text{Sm}$: (0.49009±0.00012) ; $^{152}\text{Sm}/^{149}\text{Sm}$: (19.178±0.007) ; $^{154}\text{Sm}/^{149}\text{Sm}$: (1.51182±0.00036)

GBW 04602	钐同位素溶液标准物质	Samarium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{144}\text{Sm}/^{149}\text{Sm}$: (0.106121±0.000032) ; $^{147}\text{Sm}/^{149}\text{Sm}$: (0.99360±0.00023) ; $^{148}\text{Sm}/^{149}\text{Sm}$: (0.38915±0.00009) ; $^{150}\text{Sm}/^{149}\text{Sm}$: (0.25786±0.00006) ; $^{152}\text{Sm}/^{149}\text{Sm}$: (9.9674±0.0030) ; $^{154}\text{Sm}/^{149}\text{Sm}$: (0.78724±0.00018)
GBW 04603	钐同位素溶液标准物质	Samarium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{144}\text{Sm}/^{149}\text{Sm}$: (0.053373±0.000020) ; $^{147}\text{Sm}/^{149}\text{Sm}$: (1.00190±0.00023) ; $^{148}\text{Sm}/^{149}\text{Sm}$: (0.20268±0.00005) ; $^{150}\text{Sm}/^{149}\text{Sm}$: (0.132205±0.000037) ; $^{152}\text{Sm}/^{149}\text{Sm}$: (4.9750±0.0013) ; $^{154}\text{Sm}/^{149}\text{Sm}$: (0.39351±0.00010)
GBW 04604	钐同位素溶液标准物质	Samarium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{144}\text{Sm}/^{149}\text{Sm}$: (0.022003±0.000013) ; $^{147}\text{Sm}/^{149}\text{Sm}$: (1.00677±0.00023) ; $^{148}\text{Sm}/^{149}\text{Sm}$: (0.091609±0.000028) ; $^{150}\text{Sm}/^{149}\text{Sm}$: (0.057465±0.000021) ; $^{152}\text{Sm}/^{149}\text{Sm}$: (2.0129±0.0005) ; $^{154}\text{Sm}/^{149}\text{Sm}$: (0.16088±0.00004)
GBW 04605	钐同位素溶液标准物质	Samarium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{144}\text{Sm}/^{149}\text{Sm}$: (0.011014±0.000010) ; $^{147}\text{Sm}/^{149}\text{Sm}$: (1.00824±0.00023) ; $^{148}\text{Sm}/^{149}\text{Sm}$: (0.052539±0.000020) ; $^{150}\text{Sm}/^{149}\text{Sm}$: (0.031094±0.000015) ; $^{152}\text{Sm}/^{149}\text{Sm}$: (0.96871±0.00022) ; $^{154}\text{Sm}/^{149}\text{Sm}$: (0.078843±0.000025)
GBW 04606	钐同位素溶液标准物质	Samarium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{144}\text{Sm}/^{149}\text{Sm}$: (0.006107±0.000009) ; $^{147}\text{Sm}/^{149}\text{Sm}$: (1.00908±0.00023) ; $^{148}\text{Sm}/^{149}\text{Sm}$: (0.035147±0.000016) ; $^{150}\text{Sm}/^{149}\text{Sm}$: (0.019372±0.000012) ; $^{152}\text{Sm}/^{149}\text{Sm}$: (0.50352±0.00012) ; $^{154}\text{Sm}/^{149}\text{Sm}$: (0.042213±0.000017)
GBW 04607	钐同位素溶液标准物质	Samarium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{144}\text{Sm}/^{149}\text{Sm}$: (0.002895±0.000009) ; $^{147}\text{Sm}/^{149}\text{Sm}$: (1.00946±0.00023) ; $^{148}\text{Sm}/^{149}\text{Sm}$: (0.023796±0.000013) ; $^{150}\text{Sm}/^{149}\text{Sm}$: (0.011730±0.000011) ; $^{152}\text{Sm}/^{149}\text{Sm}$: (0.20024±0.00005) ; $^{154}\text{Sm}/^{149}\text{Sm}$: (0.018332±0.000012)
GBW 04608	钐同位素溶液标准物质	Samarium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{144}\text{Sm}/^{149}\text{Sm}$: (0.0018574±0.000008) ; $^{147}\text{Sm}/^{149}\text{Sm}$: (1.009836±0.00023) ; $^{148}\text{Sm}/^{149}\text{Sm}$: (0.0201404±0.000012) ; $^{150}\text{Sm}/^{149}\text{Sm}$: (0.0092674±0.000010) ; $^{152}\text{Sm}/^{149}\text{Sm}$: (0.102265±0.00003) ; $^{154}\text{Sm}/^{149}\text{Sm}$: (0.010621±0.000010)
GBW 04609	钐同位素溶液标准物质	Samarium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{144}\text{Sm}/^{149}\text{Sm}$: (0.001294±0.000008) ; $^{147}\text{Sm}/^{149}\text{Sm}$: (1.00969±0.00023) ; $^{148}\text{Sm}/^{149}\text{Sm}$: (0.018168±0.000012) ; $^{150}\text{Sm}/^{149}\text{Sm}$: (0.007932±0.000010) ;

				$^{152}\text{Sm}/^{149}\text{Sm}$: (0.049549±0.000019) ; $^{154}\text{Sm}/^{149}\text{Sm}$: (0.006430±0.000009)
GBW 04610	钐同位素溶液标准物质	Samarium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{144}\text{Sm}/^{149}\text{Sm}$: (0.000999±0.000008) ; $^{147}\text{Sm}/^{149}\text{Sm}$: (1.01005±0.00023) ; $^{148}\text{Sm}/^{149}\text{Sm}$: (0.017061±0.000012) ; $^{150}\text{Sm}/^{149}\text{Sm}$: (0.007191±0.000010) ; $^{152}\text{Sm}/^{149}\text{Sm}$: (0.020030±0.000019) ; $^{154}\text{Sm}/^{149}\text{Sm}$: (0.004166±0.000009)
GBW 04611	钐同位素溶液标准物质	Samarium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{144}\text{Sm}/^{149}\text{Sm}$: (0.22767±0.00006) ; $^{147}\text{Sm}/^{149}\text{Sm}$: (1.09193±0.00025) ; $^{148}\text{Sm}/^{149}\text{Sm}$: (0.81551±0.00019) ; $^{150}\text{Sm}/^{149}\text{Sm}$: (0.53293±0.00013) ; $^{152}\text{Sm}/^{149}\text{Sm}$: (1.9296±0.0005) ; $^{154}\text{Sm}/^{149}\text{Sm}$: (1.64459±0.00039)
GBW 04612	镉同位素溶液标准物质	Cadmium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{106}\text{Cd}/^{114}\text{Cd}$: (0.001059±0.000011) ; $^{108}\text{Cd}/^{114}\text{Cd}$: (0.000787±0.000014) ; $^{110}\text{Cd}/^{114}\text{Cd}$: (0.022461±0.000012) ; $^{111}\text{Cd}/^{114}\text{Cd}$: (0.012065±0.0000073) ; $^{112}\text{Cd}/^{114}\text{Cd}$: (0.023221±0.0000086) ; $^{113}\text{Cd}/^{114}\text{Cd}$: (0.013644±0.0000096) ; $^{116}\text{Cd}/^{114}\text{Cd}$: (0.021711±0.000022)
GBW 04613	镉同位素溶液标准物质	Cadmium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{106}\text{Cd}/^{114}\text{Cd}$: (0.0020523±0.0000078) ; $^{108}\text{Cd}/^{114}\text{Cd}$: (0.001520±0.000008) ; $^{110}\text{Cd}/^{114}\text{Cd}$: (0.043453±0.000016) ; $^{111}\text{Cd}/^{114}\text{Cd}$: (0.023109±0.000014) ; $^{112}\text{Cd}/^{114}\text{Cd}$: (0.043935±0.000020) ; $^{113}\text{Cd}/^{114}\text{Cd}$: (0.024117±0.000015) ; $^{116}\text{Cd}/^{114}\text{Cd}$: (0.041945±0.000018)
GBW 04614	镉同位素溶液标准物质	Cadmium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{106}\text{Cd}/^{114}\text{Cd}$: (0.004051±0.000015) ; $^{108}\text{Cd}/^{114}\text{Cd}$: (0.002996±0.000012) ; $^{110}\text{Cd}/^{114}\text{Cd}$: (0.086154±0.000029) ; $^{111}\text{Cd}/^{114}\text{Cd}$: (0.045321±0.000029) ; $^{112}\text{Cd}/^{114}\text{Cd}$: (0.085574±0.000027) ; $^{113}\text{Cd}/^{114}\text{Cd}$: (0.045161±0.000031) ; $^{116}\text{Cd}/^{114}\text{Cd}$: (0.082814±0.000029)
GBW 04615	镉同位素溶液标准物质	Cadmium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{106}\text{Cd}/^{114}\text{Cd}$: (0.014948±0.000008) ; $^{108}\text{Cd}/^{114}\text{Cd}$: (0.011001±0.000007) ; $^{110}\text{Cd}/^{114}\text{Cd}$: (0.31746±0.00010) ; $^{111}\text{Cd}/^{114}\text{Cd}$: (0.165861±0.000071) ; $^{112}\text{Cd}/^{114}\text{Cd}$: (0.311567±0.000058) ; $^{113}\text{Cd}/^{114}\text{Cd}$: (0.159401±0.000046) ; $^{116}\text{Cd}/^{114}\text{Cd}$: (0.301764±0.000097)

GBW 04616	镉同位素溶液标准物质	Cadmium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{106}\text{Cd}/^{114}\text{Cd}$: (0.021077±0.000012) ; $^{108}\text{Cd}/^{114}\text{Cd}$: (0.015540±0.000010) ; $^{110}\text{Cd}/^{114}\text{Cd}$: (0.44706±0.00010) ; $^{111}\text{Cd}/^{114}\text{Cd}$: (0.233451±0.000076) ; $^{112}\text{Cd}/^{114}\text{Cd}$: (0.43802±0.00018) ; $^{113}\text{Cd}/^{114}\text{Cd}$: (0.223203±0.000086) ; $^{116}\text{Cd}/^{114}\text{Cd}$: (0.41938±0.00011)
GBW 04617	镉同位素溶液标准物质	Cadmium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{106}\text{Cd}/^{114}\text{Cd}$: (0.026544±0.000011) ; $^{108}\text{Cd}/^{114}\text{Cd}$: (0.019550±0.000008) ; $^{110}\text{Cd}/^{114}\text{Cd}$: (0.57188±0.00019) ; $^{111}\text{Cd}/^{114}\text{Cd}$: (0.293574±0.000087) ; $^{112}\text{Cd}/^{114}\text{Cd}$: (0.55066±0.000020) ; $^{113}\text{Cd}/^{114}\text{Cd}$: (0.28015±0.28015) ; $^{116}\text{Cd}/^{114}\text{Cd}$: (0.52918±0.00019)
GBW 04618	镉同位素溶液标准物质	Cadmium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{106}\text{Cd}/^{114}\text{Cd}$: (0.040164±0.000020) ; $^{108}\text{Cd}/^{114}\text{Cd}$: (0.029585±0.000016) ; $^{110}\text{Cd}/^{114}\text{Cd}$: (1.03797±0.00017) ; $^{111}\text{Cd}/^{114}\text{Cd}$: (0.44790±0.00013) ; $^{112}\text{Cd}/^{114}\text{Cd}$: (0.98598±0.00027) ; $^{113}\text{Cd}/^{114}\text{Cd}$: (0.425229±0.000092) ; $^{116}\text{Cd}/^{114}\text{Cd}$: (0.95804±0.00026)
GBW 04619	镉同位素溶液标准物质	Cadmium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{106}\text{Cd}/^{114}\text{Cd}$: (0.039556±0.000020) ; $^{108}\text{Cd}/^{114}\text{Cd}$: (0.029201±0.000011) ; $^{110}\text{Cd}/^{114}\text{Cd}$: (2.06350±0.00075) ; $^{111}\text{Cd}/^{114}\text{Cd}$: (0.45731±0.00010) ; $^{112}\text{Cd}/^{114}\text{Cd}$: (1.86090±0.00049) ; $^{113}\text{Cd}/^{114}\text{Cd}$: (0.42712±0.00012) ; $^{116}\text{Cd}/^{114}\text{Cd}$: (1.85364±0.00031)
GBW 04620	镉同位素溶液标准物质	Cadmium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{106}\text{Cd}/^{114}\text{Cd}$: (0.037979±0.000017) ; $^{108}\text{Cd}/^{114}\text{Cd}$: (0.028002±0.000012) ; $^{110}\text{Cd}/^{114}\text{Cd}$: (4.74265±0.00094) ; $^{111}\text{Cd}/^{114}\text{Cd}$: (0.48238±0.00016) ; $^{112}\text{Cd}/^{114}\text{Cd}$: (4.29420±0.00085) ; $^{113}\text{Cd}/^{114}\text{Cd}$: (0.432827±0.000087) ; $^{116}\text{Cd}/^{114}\text{Cd}$: (4.16781±0.00121)
GBW 04621	镉同位素溶液标准物质	Cadmium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{106}\text{Cd}/^{114}\text{Cd}$: (0.035592±0.000015) ; $^{108}\text{Cd}/^{114}\text{Cd}$: (0.026418±0.000012) ; $^{110}\text{Cd}/^{114}\text{Cd}$: (8.48983±0.00098) ; $^{111}\text{Cd}/^{114}\text{Cd}$: (0.51824±0.00015) ; $^{112}\text{Cd}/^{114}\text{Cd}$: (7.5653±0.0011) ; $^{113}\text{Cd}/^{114}\text{Cd}$: (0.44036±0.00016) ; $^{116}\text{Cd}/^{114}\text{Cd}$: (7.3762±0.0017)

GBW 04622	镉同位素溶液标准物质	Cadmium Isotopic Reference Material in Nitric Acid Solution	2mL	$^{106}\text{Cd}/^{114}\text{Cd}$: (0.040543±0.000024) ; $^{108}\text{Cd}/^{114}\text{Cd}$: (0.029928±0.000012) ; $^{110}\text{Cd}/^{114}\text{Cd}$: (0.42973±0.00012) ; $^{111}\text{Cd}/^{114}\text{Cd}$: (0.44401±0.00015) ; $^{112}\text{Cd}/^{114}\text{Cd}$: (0.83921±0.00022) ; $^{113}\text{Cd}/^{114}\text{Cd}$: (0.426213±0.000049) ; $^{116}\text{Cd}/^{114}\text{Cd}$: (0.258075±0.000095)
GBW 04623	镱同位素溶液标准物质	Ytterbium Isotopic Reference Material in Nitrate Acid Solution	2mL	$^{168}\text{Yb}/^{172}\text{Yb}$: (0.005805±0.000006) ; $^{170}\text{Yb}/^{172}\text{Yb}$: (0.138977±0.000025) ; $^{171}\text{Yb}/^{172}\text{Yb}$: (0.65347±0.00008) ; $^{173}\text{Yb}/^{172}\text{Yb}$: (0.73994±0.00015) ; $^{174}\text{Yb}/^{172}\text{Yb}$: (1.46347±0.00038) ; $^{176}\text{Yb}/^{172}\text{Yb}$: (0.58849±0.00021)
★GBW04504	钼同位素溶液标准物质	Molybdenum Isotopic Reference Solution	2mL	$^{92}\text{Mo}/^{95}\text{Mo}$ 0.9259 0.0003 同位素丰度比 $^{94}\text{Mo}/^{95}\text{Mo}$ 0.57825 0.00012 同位素丰度比 $^{96}\text{Mo}/^{95}\text{Mo}$ 1.0504 0.0004 同位素丰度比 $^{97}\text{Mo}/^{95}\text{Mo}$ 0.6043 0.0002 同位素丰度比 $^{98}\text{Mo}/^{95}\text{Mo}$ 1.5320 0.0007 同位素丰度比 $^{100}\text{Mo}/^{95}\text{Mo}$ 0.6119 0.0003 同位素丰度比
★GBW04505	^{97}Mo 浓缩同位素溶液标准物质	Enriched ^{97}Mo Isotopic Reference Solution	2mL	$^{92}\text{Mo}/^{97}\text{Mo}$ 0.002212 0.000006 同位素丰度比 $^{94}\text{Mo}/^{97}\text{Mo}$ 0.002013 0.000005 同位素丰度比 $^{95}\text{Mo}/^{97}\text{Mo}$ 0.004936 0.000004 同位素丰度比 $^{96}\text{Mo}/^{97}\text{Mo}$ 0.013118 0.000010 同位素丰度比 $^{98}\text{Mo}/^{97}\text{Mo}$ 0.03589 0.00003 同位素丰度比 $^{100}\text{Mo}/^{97}\text{Mo}$ 0.003249 0.000003 同位素丰度比
★GBW04506	^{100}Mo 浓缩同位素溶液标准物质	Enriched ^{100}Mo Isotopic Reference Solution	2mL	$^{92}\text{Mo}/^{100}\text{Mo}$ 0.0003220 0.0000024 同位素丰度比 $^{94}\text{Mo}/^{100}\text{Mo}$ 0.0002175 0.0000012 同位素丰度比 $^{95}\text{Mo}/^{100}\text{Mo}$ 0.0003906 0.0000007 同位素丰度比 $^{96}\text{Mo}/^{100}\text{Mo}$ 0.0004801 0.0000010 同位素丰度比 $^{97}\text{Mo}/^{100}\text{Mo}$ 0.0004020 0.0000018 同位素丰度比 $^{98}\text{Mo}/^{100}\text{Mo}$ 0.004586 0.000005 同位素丰度比
★ NIM-RM2707	铜同位素丰度标准物质	Isotopic CRM of Copper	2mL	铜同位素丰度比标准值: $^{63}\text{Cu}/^{65}\text{Cu} = 2.24477$ 不确定度: $U = 0.00050$ ($k = 2$)
★GBW04503	天然丰度硅同位素标准物质	Isotopic Composition of Natural Silicon	0.3g	$^{28}\text{Si}/^{29}\text{Si}$ 19.8844, $U=0.0046$ $^{30}\text{Si}/^{29}\text{Si}$ 0.66407, $U=0.00028$

11. 临床、卫生及法医 /Clinic, Sanitation and Forensic Science

生物材料

Biomaterial

微生物

Microorganism

临床检验

Clinical Examination

新型冠状病毒临床检验

COVID-19 Clinical Examination

化妆品

Cosmetics

法医

Forensic Sciences

其它

Others

生物材料/ Biomaterial

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW09101	人发成份分析标准物质	Human hair	7g	Ag, Al, As, Ba, Br, Ca, Cd, Cl, Co, Cr, Cu, Fe, Hg, I, K, La, Mn, Mg, Na, Ni, Mo, P, Pb, Se, Sc, Sb, S, Sr, V, Zn
GBW07601	人发粉成分分析标准物质	Human hair powder	20g	Ag, As, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cu, Fe, Hg, La, Li, Mg, Mn, Mo, N, Na, Ni, P, Pb, S, Sb, Sc, Se, Si, Sr, Ti, Y, Zn, [Au], [B], [Dy], [Br], [Br], [Eu], [K], [Sm]
GBW09101a	人发中稀土元素成份分析标准物质	Rare Earth Elements in Hunan hair	4g	Nd, Sm, La, Ce, [Er], [Tb], [Pr], [Eu], [Lu], [Dy], [Y], [Gd], [Tm], [Ho], [Yb]
GBW(E)090065	血细胞标准物质	Blood Cell	2mL	白细胞 (WBC) 浓度: 9.06×10^9 个/L, $U=2.5\%$; 红细胞 (RBC) 浓度: 4.20×10^{12} 个/L, $U=2.0\%$; 血小板 (PLT) 浓度: 233.6×10^9 个/L, $U=2.0\%$; 血红蛋白 (HGB) 浓度: 130.5g/L, $U=1.5\%$
NIM-RM2703	血细胞标准物质	Blood Cell	2mL	白细胞 (WBC) 浓度 3.25×10^9 个/L, $U=3.0\%$
NIM-RM2704	血细胞标准物质	Blood Cell	2mL	白细胞 (WBC) 浓度 15.90×10^9 个/L, $U=3.0\%$
GBW09152	冷冻人血清中无机成分分析标准物质	Inorganic components in frozen human serum	2×2.5mL	Na, Cl, Mg, K, Ca, Fe, Cu, Zn, Se, $U<5\%$
GBW09157	冰冻人血清中尿酸成分分析标准物质	Uric acid in frozen human serum	2×1mL	$57.3 \mu\text{g/mL}$, $U=2.9\%$
GBW09169	冷冻人血清中尿酸成分分析标准物质 (患者)	Uric acid in frozen human serum	2×1mL	$72.2 \mu\text{g/g}$, $U=2.6\%$
GBW09170	冰冻人血清肌酐成分分析标准物质	Creatinine in frozen human serum	2×1mL	$8.10 \mu\text{g/g}$, $U=1.2\%$
GBW09171	冰冻人血清肌酐成分分析标准物质	Creatinine in frozen human serum	2×1mL	$34.1 \mu\text{g/g}$, $U=1.1\%$
GBW09108-09110	冻干人尿中碘标准物质	Iodine in lyophilized human urine	3×5mL	$(52.5 \pm 0.8) \mu\text{g/L}$; $(87.4 \pm 0.9) \mu\text{g/L}$; $(258 \pm 10) \mu\text{g/L}$;

GBW09115	冻干人尿中砷形态成分分析标准物质	Arsenic Species in Freeze-dry Human Urine	bottle	AsO ₃ ³⁻ : (0.758±0.016) n mol /bottle; Monomethylarsonic acid/一甲基砷: (1.03±0.08) n mol /bottle; Dimethylarsinic acid/二甲基砷: (4.3±0.3) n mol /bottle
GBW09829	冰冻人血清中17α-羟孕酮成分分析标准物质	17α-Hydroxyprogesterone in Frozen Human Serum	2mL	质量分数(mass fraction)0.51×10 ⁻⁹ , U _{rel} =3.9%
GBW09830	冰冻人血清中17α-羟孕酮成分分析标准物质	17α-Hydroxyprogesterone in Frozen Human Serum	2.5mL	质量分数(mass fraction)1.65×10 ⁻⁹ , U _{rel} =2.0%
GBW09831	血清中孕酮成分分析标准物质	Progesterone in Human Serum	2mL	质量分数(mass fraction)1.09×10 ⁻⁹ , U _{rel} =4.4%
GBW09832	血清中孕酮成分分析标准物质	Progesterone in Human Serum	2.5mL	质量分数(mass fraction)21.89×10 ⁻⁹ , U _{rel} =2.4%
GBW09833	血清中氢化可的松成分分析标准物质	Hydrocortisone in Human Serum	2mL	质量分数(mass fraction)92.2×10 ⁻⁹ , U _{rel} =2.0%
GBW09834	血清中氢化可的松成分分析标准物质	Hydrocortisone in Human Serum	2mL	质量分数(mass fraction)107.6×10 ⁻⁹ , U _{rel} =1.5%
GBW09220	17α-羟孕酮纯度标准物质	Purity of 17α-Hydroxyprogesterone	100mg	质量分数(mass fraction)99.3%, U _{rel} =0.2%
GBW09221	氢化可的松纯度标准物质	Purity of Hydrocortisone	100mg	质量分数(mass fraction)99.2%, U _{rel} =0.2%
NIM-RM2028	尿沉渣红细胞、白细胞标准物质	Reference Materials for Red Blood Cell and White Blood Cell of Urine Sediment	2bottles	RBC: 48.7 个/μL, U=14.1%; WBC: 49.6 个/μL, U=14.3%。RBC: 198.4 个/μL, U=5.8%; WBC: 206.5 个/μL, U=5.9%
GBW(E)090640	EGFR 基因突变标准物质	Certified Reference Materials of EGFR Gene Mutation	50μL×12	233μg/g,U=9μg/g
GBW(E)090641	EGFR-2 基因突变标准物质	Certified Reference Materials of EGFR Gene Mutation		122μg/g,U=5μg/g
GBW(E)090642	EGFR-3 基因突变标准物质	Certified Reference Materials of EGFR Gene Mutation		128μg/g,U=9μg/g
GBW(E)090643	EGFR-4 基因突变标准物质	Certified Reference Materials of EGFR Gene Mutation		135μg/g,U=5μg/g
GBW(E)090644	EGFR-5 基因突变标准物质	Certified Reference Materials of EGFR Gene Mutation		129μg/g,U=4μg/g

GBW(E)090645	EGFR-6 基因突变标准物质	Certified Reference Materials of EGFR Gene Mutation		143μg/g,U=6μg/g
GBW(E)090646	EGFR-7 基因突变标准物质	Certified Reference Materials of EGFR Gene Mutation		150μg/g,U=4μg/g
GBW(E)090647	EGFR-8 基因突变标准物质	Certified Reference Materials of EGFR Gene Mutation		156μg/g,U=5μg/g
GBW(E)090648	EGFR-9 基因突变标准物质	Certified Reference Materials of EGFR Gene Mutation		134μg/g,U=5μg/g
GBW(E)090649	EGFR-10 基因突变标准物质	Certified Reference Materials of EGFR Gene Mutation		140μg/g,U=9μg/g
GBW(E)090650	EGFR-11 基因突变标准物质	Certified Reference Materials of EGFR Gene Mutation		138μg/g,U=4μg/g
GBW(E)090651	EGFR-12 基因突变标准物质	Certified Reference Materials of EGFR Gene Mutation		150μg/g,U=6μg/g
GBW(E)090652	FMR-1 基因突变标准物质	Certified Reference Materials of FMR-1 Gene Mutation		122μg/g,U=5μg/g
★GBW(E)091041	冰冻人血清总蛋白标准物质	Reference material of TP in frozen human serum	1mL	63.4±1.4 g/L
★GBW(E)091042	冰冻人血清 γ 谷氨酰基转移酶、碱性磷酸酶标准物质	Reference Material for Catalytic Activity Concentration of γ-Glutamyltransferase and Alkaline Phosphatase in Frozen Human Serum	1mL	γ 谷氨酰基转移酶 242.1±8.0 U/L 碱性磷酸酶 267.0±8.5 U/L
★GBW(E)091043	冰冻人血清葡萄糖标准物质	Reference material of glucose in frozen human serum	1mL	8.18±0.19 mmol/L
★GBW(E)091044	冰冻人血清中尿素、肌酐标准物质	Reference Material of Urea and Creatinine in Frozen Human Serum	1.0mL	尿素 (Urea) : (14.67±0.44) mmol/L; 肌酐 (Cr): (313.9±4.1) μ mol/L
★GBW(E)091045	冰冻人血清尿酸标准物质	Reference Material of Uric Acid in frozen human serum	1mL	512±11 μ mol/L

★GBW(E)091046	冰冻人血清 α — 淀粉酶标准物质	Reference Material for Catalytic Activity Concentration of Alpha-Amylase in Frozen Human Serum	1mL	268.1±9.4 U/L
★GBW(E)091047	冰冻人血清肌酸激酶标准物质	Reference Material for Catalytic Activity Concentration of Creatine Kinase in Frozen Human Serum	1mL	374.8±9.5 U/L
★ GBW(E)091048-1052	冰冻人血清未结合雌三醇标准物质	Reference Material for uE3 in Frozen Human Serum	5 x 1mL/	GBW(E)091048: 22.1±1.3 nmol/L GBW(E)091049: 33.6±1.6 nmol/L GBW(E)091050: 10.4±0.8 nmol/L GBW(E)091051: 15.5±1.0 nmol/L GBW(E)091052: 47.0±2.0 nmol/L
★GBW09855	BRAF (V600E) 基因突变基因组 DNA 标准物质	Reference Material of genomic DNA containing BRAF (V600E) Mutation	100μL	突变基因拷贝数浓度: (8.58 ± 0.61)×10 ³ copy/μL; 野生基因拷贝数浓度 (2.49 ± 0.25)×10 ³ copy/μL; 突变基因丰度: (25.7±0.9)%
★NIM-RM3690	5'-三磷酸腺苷 (ATP) 二钠盐 纯度标准物质	5'-Adenosine triphosphate (ATP) Disodium Salt Purity Reference Material	10 mg	纯度 92.0% ± 0.7%(k=2)

微生物/Microorganism

编号/Number	中文名称	Name	规格/Units	特性量/Properties
NIM-RM2705	细菌浊度标准物质	Bacteria Turbidity Standard Solution	6×3mL	NIM-RM2705-1:空白 blank; NIM-RM2705-2: (0.50±0.03)麦氏单位 MCF; NIM-RM2705-3: (1.00±0.06)麦氏单位 MCF; NIM-RM2705-4: (2.00±0.11) 麦氏单位 MCF; NIM-RM2705-5: (3.00±0.16) 麦氏单位 MCF; NIM-RM2705-6: (4.00±0.22)麦氏单位 MCF

临床检验/Clinical examination

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW09203b	胆固醇纯度标准物质	Cholesterol	0.3g	99.7% , U=0.1%
GBW09202	尿酸纯度标准物质	Uric acid	0.4g	99.8% , U=0.3%
GBW09201	尿素纯度标准物质	Urea	2g	99.9% , U=0.2%
NIM-RM3453	尿素氮溶液标准物质	Nitrogen content (urea) in water	20mL	1000mg/L, U=3%; 10mg/L, U=3%
GBW(E)100119	黄体酮纯度标准物质 (孕酮)	Progesterone	100mg	99.2% , U=0.5%
GBW(E)100094	黄体酮甲醇溶液标准物质 (孕酮)	Progesterone in methanol	1mL	10.0μg/mL, U=2%
GBW 09223	17-雌二醇纯度标准物质	Purity of 17β- Estradio	100mg	99.2%,U _{rel} = 0.3%
GBW 09224	雌三醇纯度标准物质	Purity of Estriol	100mg	98.4%,U _{rel} = 0.3%
GBW 09225	雌酮纯度标准物质	Purity of Estrone	100mg	99.3%,U _{rel} = 0.4%
GBW 09226	香草扁桃酸纯度标准物质	Purity of VMA	100mg	99.5%,U _{rel} = 0.3%
GBW 09227	甲胎蛋白溶液纯度标准物质	Alpha-fetoprotein	20μL	35.4%,U= 2.5%
GBW 09228	C 反应蛋白溶液纯度标准物质	C-reactive protein	20μL	33.7%,U= 1.0%
GBW 09229	肌钙蛋白溶液纯度标准物质	Troponin I	50μL	22.3%,U= 1.6%
GBW 09230	瘦素溶液纯度标准物质	Leptin	20μL	5.8%,U= 1.4%
GBW 09231	L-苏氨酸纯度标准物质	Purity of L-Threonine	100mg	99.6%,U _{rel} = 0.6%
GBW 09232	L-甲硫氨酸纯度标准物质	Purity of L-Methionine	100mg	99.8%,U _{rel} = 0.3%
GBW 09233	L-色氨酸纯度标准物质	Purity of L-Tryptophan	100mg	99.7%,U _{rel} = 0.6%
GBW 09234	L-赖氨酸单盐酸盐纯度标准物质	Purity of L-Lysine monohydrochloride	100mg	99.8%,U _{rel} = 0.3%
GBW 09235	L-苯丙氨酸纯度标准物质	Purity of L-Phenylalanine	100mg	99.8%,U _{rel} = 0.4%
GBW 09236	L-缬氨酸纯度标准物质	Purity of L-Valine	100mg	99.4%,U _{rel} = 0.6%
GBW 09237	L-亮氨酸纯度标准物质	Purity of L-Leucine	100mg	99.7%,U _{rel} = 0.4%

	准物质			
GBW 09238	L-异亮氨酸纯度标准物质	Purity of L-isoleucine	100mg	99.7%,Urel= 0.3%
GBW 09239	L-精氨酸纯度标准物质	Purity of L-Arginine	100mg	99.7%,Urel= 0.5%
GBW 09240	艾氏剂纯度标准物质	Purity of Aldrin	100mg	99.4%,Urel= 0.3%
GBW 09241	C 肽纯度标准物质	Human C peptide purity reference material	5mg	81.2%,Urel= 4.2%
GBW(E)090947	甲醇中 17 α -羟孕酮溶液标准物质	17 α -OHP in Methanol	1mL	1.0mg/mL,U=2.0%
GBW(E)090948	甲醇中 17 β -雌二醇溶液标准物质	17 β - Estradiol in Methanol	1mL	1.0mg/mL,U=3.0%
GBW(E)090949	甲醇中雌三醇溶液标准物质	Estriol in Methanol	1mL	1.0mg/mL,U=2.0%
GBW(E)090950	甲醇中雌酮溶液标准物质	Estrone in Methanol	1mL	1.0mg/mL,U=2.0%
GBW(E)090951	甲醇中香草扁桃酸溶液标准物质	VMA in Methanol	1mL	1.0mg/mL,U=2.0%
GBW(E)090952	甲醇中雌激素混合溶液标准物质	17 β - Estradiol, Estriol and Estrone in Methanol	1mL	17 β -雌二醇 1.00mg/mL,U=2.0%; 雌三醇 1.00mg/mL,U=3.0%; 雌酮 1.00mg/mL,U= 3.0%
GBW(E)090953	甲醇中孕激素混合溶液标准物质	17 α -OHP and Cortisol in Methanol	1mL	17 α -OHP1.00mg/mL,U= 3.0%; 氢化可的松 1.00mg/mL,U= 3.0%

新型冠状病毒临床检验/COVID-19 Clinical examination

编号/Number	中文名称	Name	规格/Units	特性量/Properties
★GBW09858	枯草芽孢杆菌芽孢计数标准物质	Reference material of Bacillus subtilis Spores Count	100 mL 西林瓶	(5.4±1.3) ×108 CFU/mL
★GBW(E)091089	新型冠状病毒核酸标准物质(高浓度)	RNA Reference Material of Corona Virus Disease 2019 (COVID-19, high concentration)	50 μ L	E 基因: (7.05±0.54)×105 copy/ μ L; ORF1ab 基因: (1.10±0.12)×106 copy/ μ L; N 基因: (8.38±0.76)×105copy/ μ L
★GBW(E)091090	新型冠状病毒核酸标准物质(低浓度)	RNA Reference Material of Corona Virus Disease 2019 (COVID-19, low concentration)	50 μ L	E 基因: (7.63±0.66)×102 copy/ μ L; ORF1ab 基因: (1.24±0.19)×103 copy/ μ L; N 基因: (9.8±1.2)×102copy/ μ L
★GBW(E)091097	新型冠状病毒核衣壳蛋白溶液标准物质	Nucleocapsid Protein Solution Reference Material of Corona Virus Disease 2019 (2019-nCoV)	50 μ L	(0.140±0.011) mg/g

★GBW(E)091098	新型冠状病毒核糖核酸基因组标准物质	Certified Reference Material of 2019 Novel Corona Virus (2019-nCoV) Ribonucleic Acid Genome	50 μL	E 基因: (1.29±0.26)×10 ² copy/μL; ORF1ab 基因: (9.5±1.8)×10 ¹ copy/μL; N 基因: (2.05±0.31)×10 ² copy/μL
★GBW(E)091099	新型冠状病毒核糖核酸基因组标准物质	Certified Reference Material of 2019 Novel Corona Virus (2019-nCoV) Ribonucleic Acid Genome	50 μL	E 基因: (1.06±0.11)×10 ³ copy/μL; ORF1ab 基因: (8.96±0.61)×10 ² copy/μL; N 基因: (1.73±0.13)×10 ³ copy/μL
★GBW(E)091100	定量 PCR 仪校准用标准物质	Certified Reference materials for Calibration of Polymerase Chain Reaction Analyzer	成套供应, 8 连排管、48 孔板, 96 孔板、384 孔板, 每孔 25 μL	(1.04±0.05) ×10 ⁷
★GBW(E)091101	定量 PCR 仪校准用标准物质	Certified Reference materials for Calibration of Polymerase Chain Reaction Analyzer		(1.06±0.05) ×10 ⁶
★GBW(E)091102	定量 PCR 仪校准用标准物质	Certified Reference materials for Calibration of Polymerase Chain Reaction Analyzer		(1.06±0.05) ×10 ⁵
★GBW(E)091103	定量 PCR 仪校准用标准物质	Certified Reference materials for Calibration of Polymerase Chain Reaction Analyzer		(1.07±0.03) ×10 ⁴
★GBW(E)091104	定量 PCR 仪校准用标准物质	Certified Reference materials for Calibration of Polymerase Chain Reaction Analyzer		(1.12±0.06) ×10 ³
★GBW(E)091105	定量 PCR 仪校准用标准物质	Certified Reference materials for Calibration of Polymerase Chain Reaction Analyzer		(1.10±0.07) ×10 ²
★GBW(E)091106	定量 PCR 仪校准用标准物质	Certified Reference materials for Calibration of Polymerase Chain Reaction Analyzer		(1.11±0.06) ×10 ¹
★GBW(E)091107	定量 PCR 仪校准用标准物质	Certified Reference materials for Calibration of Polymerase Chain Reaction Analyzer		(2.58±0.10) ×10 ⁴
★GBW(E)091108	定量 PCR 仪校准用标准物质	Certified Reference materials for Calibration of Polymerase Chain Reaction Analyzer		(1.29±0.06) ×10 ⁴

★GBW(E)091109	新型冠状病毒刺突糖蛋白（S蛋白）人源 IgG 单克隆抗体溶液标准物质	Human IgG Monoclonal Antibody to Spike Glycoprotein Solution Reference Material of 2019 Novel Coronavirus (2019-nCoV)	100 μL	(7.08±5.7) μg/g
★GBW(E)091110	新型冠状病毒核衣壳蛋白（N蛋白）人源 IgG 单克隆抗体溶液标准物质	Human IgG Monoclonal Antibody to Nucleocapsid Protein Solution Reference Material of 2019 Novel Coronavirus (2019-nCoV)	100 μL	(85.3±8.5) μg/g
★NIM-RM5203	新型冠状病毒（SARS-CoV-2）假病毒核糖核酸标准物质	Reference Material of SARS-CoV-2 Pseudovirus RNA	200 μL	E 基因:(4.6±0.9)×10 ² copy/μL、 ORF1ab 基因:(6.5±1.2)×10 ² copy/μL N 基因:(4.3±0.9)×10 ² copy/μL。
★NIM-RM5204	新型冠状病毒核衣壳蛋白（N蛋白）人源 IgM 单克隆抗体溶液标准物质	Human IgM Monoclonal Antibody to Nucleocapsid Protein Solution Reference Material of 2019 Novel Coronavirus (2019-nCoV)	55 μL	93.5±9.4 μg/g

化妆品/Cosmetics

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)090027	粉类化妆品铅成分分析标准物质	Lead in powder cosmetic	10g	16.1mg/kg, U=0.022%
GBW09305	霜类化妆品基体中重金属铅、砷元素成分分析标准物质	Pb, As in Cosmetic (Cream)	10g	Pb:(37.2±0.8)μg/g; As:(9.0±0.3)μg/g
GBW(E)090030	水类化妆品中甲醇成分分析标准物质	Methanol in lotion cosmetic	10mL	0.103%, U=0.008%
GBW(E)090096	乳霜类化妆品中对羟基苯甲酸酯类（尼泊金酯类）成分分析标准物质	Parabens in cosmetic	2*15g	GBW(E)090096-1: 对羟基苯甲酸甲酯（methyl p-hydroxybenzoate）: (1945.8±4.4)mg/kg; 对羟基苯甲酸丙酯（Propyl p-hydroxybenzoate）: (995.8±4.8)mg/kg; GBW(E)090096-2: 对羟基苯甲酸乙酯（Ethyl p-hydroxybenzoate）: (980.1±7.2)mg/kg; 对羟基苯甲酸丁酯（Butyl p-hydroxybenzoate）:

				(1013.8±6.6)mg/kg
GBW(E)100426	甲醇中二苯酮-3 溶液标准物质	Benzophenone-3 in Methanol	2mL	100 g/ mL, U=3%
GBW(E)100427	甲醇中水杨酸乙 基己酯溶液标准 物质	Ethylhexyl salicylate in Methanol	2mL	100 g/ mL, U=3%
GBW(E)100428	甲醇中丁基甲氧 基二苯甲酰基甲 烷溶液标准物质	Butyl methoxydibenzoylmethane in Methanol	2mL	100 g/ mL, U=3%
GBW(E)100429	甲醇中 PABA 乙 基己酯溶液标准 物质	Ethylhexyl dimethyl PABA in Methanol	2mL	100 g/ mL, U=3%
GBW(E)100430	甲醇中甲氧基肉 桂酸乙基己酯溶 液标准物质	Ethylhexyl methoxycinnamate in Methanol	2mL	100 g/ mL, U=3%

法医/Forensic Sciences

编号/Number	中文名称	Name	规格/Units	特性量/Properties
NIM-RM3666	水中甲醇溶液标 准物质	Methanol in Water	5mL	10.0mg/mL, U=3%
NIM-RM3667	水中乙醇溶液标 准物质	Ethanol in Water	5mL	1.00mg/mL, U=3%
NIM-RM3668	水中乙醇溶液标 准物质	Ethanol in Water	5mL	10.0mg/mL, U=3%
NIM-RM3669	甲醇中卡马西平 溶液标准物质	Carbamazepine in Methanol	2mL	100µg/mL, U=3%

其它/Others

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW09206	紫杉醇纯度标准 物质	Purity of Paclitaxel	100mg	99.6%, U= 1.2%
★GBW(E)091038	猪繁殖与呼吸综 合征病毒美洲经 典株（PRRSV CH-1a）质粒核酸 标准物质	Plasmid DNA Reference Material of PRRSV CH-1a cDNA Fragments	100µL	(9.4±0.9)×10 ⁸ copy/µL

★GBW(E)091039	猪繁殖与呼吸综合征病毒美洲变异株（PRRSV HuN4）质粒核酸标准物质	Plasmid DNA Reference Material of PRRSV HuN4 cDNA Fragments	100μL	$(7.8 \pm 1.0) \times 10^8 \text{ copy}/\mu\text{L}$
★NIM-RM5303	β 淀粉样多肽（Aβ40）溶液标准物质	Standard Solution of β amyloid (Aβ40)	1mL	$(7.58 \pm 0.16) \mu\text{g/g}$
★NIM-RM5304	β 淀粉样多肽（Aβ42）溶液标准物质	Standard Solution of β amyloid (Aβ42)	1mL	$(7.62 \pm 0.15) \mu\text{g/g}$

12.食品/Food

茶叶及烟草

Tea and Tobacco

果蔬及草药

Fruits, Vegetables and Herbs

粮食

Foodstuff

动物源制品

Animal Derived Products

白酒

Alcohol

食用油

Edible Oil

营养及功能成分

Nutritional and Functional Components

食品添加剂及限量物质

Food additives and Limited Components

食品包装残留有害物质

Residual Contaminants in Food Packaging Materials

食品中微生物

Food microbiology

茶叶及烟草/Tea and Tobacco				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW08515	烟草成份分析标准物质	Tobacco	25g	Ca: (4.30±0.14)%; Mg: (0.74±0.04)%; K: (3.31±0.12)%; N: (3.56±0.10)%; Cl: (0.98±0.04)%; P: (0.258±0.015)%; Mn: (236±12)µg/g; Cu: (17.4±1.4)µg/g; Zn: (36.2±3.0)µg/g; Fe: (966±64)µg/g; B: (41.6±2.25)µg/g; nicotine: (3.84±0.10)%; total sugar: (1.8±0.3)%
GBW10083	茶叶中农药和无机元素成分分析标准物质	Pesticides and Elements in Tea	20g	六氯苯(hexachlorobenzene): (2.06±0.30) ×10 ⁻⁹ ; 三氯杀螨醇(dicofol): (513±37) ×10 ⁻⁹ ; pp'-DDE: (8.30±0.86) ×10 ⁻⁹ ; op'-DDT: (14.9±1.3) ×10 ⁻⁹ ; 硫丹 I(endosulfan): (35.6±4.2) ×10 ⁻⁹ ; 硫丹 II(endosulfan): (49.8±5.0) ×10 ⁻⁹ ; 联苯菊酯(bifenthrin): (878±50) ×10 ⁻⁹ ; 甲氰菊酯(fenpropathrin): (374±34) ×10 ⁻⁹ ; 三氟氯氰菊酯(lambda-Cyhalothrin): (472±48) ×10 ⁻⁹ ; 氯氰菊酯(cypermethrin): (434±32) ×10 ⁻⁹ ; 氰戊菊酯(fenvalerate): (84.8±7.5) ×10 ⁻⁹ ; K: (1.73±0.04) ×10 ⁻² ; Ca: (3.53±0.08) ×10 ⁻³ ; P: (3.02±0.07) ×10 ⁻³ ; Mg: (2.03±0.05) ×10 ⁻³ ; Al: (991±22) ×10 ⁻⁶ ; Mn: (552±12) ×10 ⁻⁶ ; Fe: (126±4) ×10 ⁻⁶ ; Zn: (19.0±0.4) ×10 ⁻⁶ ; Cu: (5.69±0.13) ×10 ⁻⁶ ; Ba: (3.93±0.12) ×10 ⁻⁶ ; Ni: (3.61±0.14) ×10 ⁻⁶ ; Pb: (1.43±0.06) ×10 ⁻⁶ ; Ce: (0.457±0.022) ×10 ⁻⁶ ; Cd: (0.026±0.003) ×10 ⁻⁶ ; [Na: 16×10 ⁻⁶]; [Cl: 410×10 ⁻⁶]

果蔬及草药/Fruits, Vegetables and Herbs

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW10019	生物成分分析标准物质 ——苹果	Apple	35g	As, Al, B, Ba, Ca, Cd, Ce, Co, Cs, Cu, I, K, La, Li, Mg, Mn, Mo, N, Na, Ni, P, Pb, Pr, Rb, Sb, Si, Sm, Sr, Th, U, Y, Zn, [Dy], [Er], [Eu], Fe, Gd, [Hg], [Ho], [Cl], [S], [Se], [Tl], [Tm], [V], [Yb], [ash], [Be], [Bi], [Br], [Nd]
GBW10084	浓缩苹果汁中拟除虫菊酯类农药成分分析标准物质	Pyrethroid Pesticides in Apple Juice Concentrate	12g	苯氧菊酯(Kresoxim-methyl): (1.00±0.10) ×10 ⁻⁶ ; 联苯菊酯(bifenthrin): (0.87±0.08) ×10 ⁻⁶ ; 甲氰菊酯(fenpropathrin): (1.13±0.13) ×10 ⁻⁶ ; 三氟氯氰菊酯(lambda-Cyhalothrin): (0.99±0.11) ×10 ⁻⁶ ; 氯氰菊酯(cypermethrin): (1.01±0.10) ×10 ⁻⁶ ; 氯菊酯(permethrin): (1.03±0.10) ×10 ⁻⁶ ; 氟氯氰菊酯(cyfluthrin): (1.20±0.12) ×10 ⁻⁶ ; 氰戊菊酯(fenvalerate): (1.07±0.11) ×10 ⁻⁶ ; 氟胺氰菊酯(flualinate): (1.00±0.09) ×10 ⁻⁶ ; 溴氰菊酯(deltamethrin): (1.02±0.12) ×10 ⁻⁶
GBW10020	柑橘叶	Orange leaf	35g	As, B, Ba, Al, Ag, Be, Bi, Br, Ca, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Fe, Gd, Hg, Ho, I, K, La, Li, Lu, Mg, Mn, Mo, N, Na, Nd, P, Pd, Pr, Rb, S, Sb, Sc, Se, Si, Sm, Sn, Sr, Tb, Th, Ti, Tl, Tm, U, V, Y, Yb, Zn, [Eu], [F], [Ge], [Hf], [Ni], [灰分(ash)]
GBW10021	豆角	Bean	35g	As, B, Ba, Al, Be, Bi, Br, Ca, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, Ge, Hg, Ho, K, La, Li, Lu, Mg, Mn, Mo, N, Na, Nd, Ni, P, Pd, Pr, Rb, S, Sb, Sc, Se, Sm, Sr, Tb, Th, Ti, Tl, Tm, U, V, Y, Yb, Zn, [Ag], [Cd], [F], [I], [Si], [Sn], [灰分(ash)]
GBW10022	蒜粉	Garlic powder	35g	As, B, Ba, Al, Be, Bi, Br, Ca, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, Hg, Ho, I, K, La, Li, Lu, Mg, Mn, Mo, N, Na, Nd, Ni, P, Pb, Pr, Rb, S, Sb, Sc, Se, Sm, Sr, Tb, Th, Ti, Tl, U, V, Y, Zn, [Ag], [F], [Ge], [Hf], [Si], [Sn], [Tm], [Yb], [灰分(ash)]
GBW10023	紫菜	Laver	35g	As, Ag, B, Ba, Al, Be, Bi, Br, Ca, Ce, Cd, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, Ge, Hg, Ho, I, K, La, Li, Lu, Mg, Mn, Mo, N, Na, Nb, Ni, P, Pb, Pr, Rb, S, Sb, Se, Si, Sm, Sr, Tb, Th, Tl, Tm, U, V, Y, Yb, Zn, [F], [Sc], [Sn], [Ti], [灰分(ash)]

GBW10025	螺旋藻	Spirulina	12g	As, Ba, Al, Ag, Be, Bi, Br, Ca, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, Ho, I, K, La, Li, Lu, Mg, Mn, Mo, N, Na, Nd, Ni, P, Pd, Pr, Rb, S, Sb, Sc, Se, Sm, Sr, Tb, Th, Ti, Tl, Tm, U, V, Y, Yb, Zn, [B], [F], [Ge], [Hf], [Hg], [Si], [Sn], [灰分(ash)]
GBW10026	花粉	Pollen	12g	As, B, Ba, Be, Bi, Br, Ca, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, Hg, Ho, K, La, Li, Lu, Mg, Mn, Mo, N, Nd, Ni, P, Pd, Pr, Rb, S, Sb, Sc, Se, Sm, Sr, Tb, Th, Ti, Tl, Tm, U, V, Y, Yb, Zn, [Ag], [Al], [F], [Ge], [I], [Na], [Si], [灰分(ash)]
GBW10027	人参	Ginseng	12g	B, Ba, Be, Ca, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Fe, Gd, Hg, Ho, K, La, Li, Mg, Mn, Mo, N, Na, Nd, Ni, P, Pd, Pr, Rb, S, Se, Sm, Sr, Tb, Ti, Tl, U, V, Y, Yb, Zn, [Ag], [Al], [As], [Bi], [Br], [Eu], [F], [I], [Lu], [Sb], [Sc], [Si], [Sn], [Th], [Tm], [灰分(ash)]
GBW10028	黄芪	Astragalus	35g	Al, As, B, Ba, Be, Bi, Br, Ca, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, Ho, I, K, La, Li, Lu, Mg, Mn, Mo, N, Na, Nd, Ni, P, Pd, Pr, Rb, S, Sb, Se, Sm, Sr, Tb, Th, Ti, Tl, Tm, U, V, Y, Yb, Zn, [Ag], [F], [Ge], [Hg], [Sc], [Si], [Sn], [灰分(ash)]
GBW09588	白术无机成分分析标准物质	Atractylodes macrocephala	20g	K: (0.75±0.03)%; Ca: (0.625±0.018)%; Mg: (0.104±0.004)%; Na: (209±12) μg/g; Cu: (14.7±0.6) μg/g; Fe: (124±5) μg/g; Zn: (31.1±1.0) μg/g; Mn: (17.9±0.7) μg/g; Sr: (34.3±1.0) μg/g; V: (0.358±0.013) μg/g; Cd: (0.148±0.009) μg/g; As: (0.211±0.008) μg/g; Pb: (0.214±0.009) μg/g; Hg: (0.0054±0.0004) μg/g; [Ni]; [Cr]
GBW09589	淫羊藿无机成分分析标准物质	Barrenwort	20g	K: (0.87±0.03)%; Ca: (1.37±0.04)%; Mg: (0.185±0.007)%; Na: (157±9) μg/g; Cu: (7.5±0.3) μg/g; Fe: (415±16) μg/g; Zn: (20.4±0.7) μg/g; Mn: (237±10) μg/g; Sr: (47.6±1.3) μg/g; V: (1.06±0.04) μg/g; Cd: (0.339±0.021) μg/g; As: (0.363±0.014) μg/g; Pb: (3.61±0.15) μg/g; Hg: (0.060±0.004) μg/g; [Ni]; [Cr]
GBW(E)100199	南瓜粉成分分析标准物质	Cushaw powder	25g	K: (14.9±0.3)g/kg; Mg: (1.12±0.03)g/kg; Ca: (1.30±0.12)g/kg; Fe: (41.3±3.4)mg/kg; Mn: (6.0±0.3)mg/kg; Zn: (12.2±1.0)mg/kg; Cu: (3.4±0.3)mg/kg; Na: (754±27)mg/kg

GBW10047	胡萝卜	Carrot	35g	[Ag], [Al], As, B, Ba, Be, [Bi], [Br], Ca, Cd, Ce, [Cl], Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, Ge, Hg, Ho, [I], K, La, Li, [Lu], Mg, Mn, Mo, [N], Na, Nb, Nd, Ni, P, Pb, Pr, Rb, [S], [Sb], [Sc], Se, [Si], Sm, [Sn], Sr, Tb, Th, [Ti], Tl, Tm, U, [V], Y, Yb, Zn
GBW10048	芹菜	Celery	35g	[Ag], [Al], As, B, Ba, Be, [Bi], Br, Ca, Cd, Ce, [Cl], Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, Ge, Hg, Ho, [I], K, La, Li, Lu, Mg, Mn, Mo, [N], Na, [Nb], Nd, Ni, P, Pb, Pr, Rb, [S], [Sb], [Sc], Se, [Si], Sm, [Sn], Sr, Tb, Th, [Ti], Tl, Tm, U, V, Y, Yb, Zn
GBW10049	大葱	Green Chinese onion	35g	[Ag], [Al], As, B, Ba, Be, [Bi], Br, Ca, Cd, Ce, [Cl], Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, [Ge], Hg, Ho, [I], K, La, Li, [Lu], Mg, Mn, Mo, [N], Na, [Nb], Nd, [Ni], P, Pb, Pr, Rb, S, [Sb], [Sc], Se, [Si], Sm, [Sn], Sr, Tb, Th, [Ti], Tl, Tm, [U], [V], Y, Yb, Zn
GBW10052	绿茶	Green Tea	35g	[Ag], As, B, Ba, Be, Bi, Br, Ca, Cd, Ce [Cl], Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, Ge, [Hg], Ho, [I], K, La, Li, Lu, Mg, Mn, Mo, [N], Na, [Nb], Nd, Ni, P, Pb, Pr, Rb, [S], [Sb], [Sc], Se, [Si], Sm, [Sn], Sr, Tb, Th, [Ti], Tl, Tm, U, V, Y, Yb, Zn
GBW08521	紫菜中砷、铅、镉成分分析标准物质	As, Pb and Cd in Laver	18g	As: (41±3)μg/g; Pb: (0.81±0.03)μg/g; Cd: (5.2±0.4)μg/g
GBW10089	木耳无机成分分析标准物质	Elements in Black Fungus Powder	30g	K: (7.18±0.22) mg/g; Ca: (7.02±0.22) mg/g; Mg: (2.84±0.10) mg/g; P: (2.61±0.08) mg/g; Na: (700±28) μg/g; Fe: (349±13) μg/g; Mn: (43.2±0.9) μg/g; Zn: (23.0±0.7) μg/g; Cu: (7.45±0.30) μg/g; Sr: (37.8±1.1) μg/g; Ba: (15.5±0.8) μg/g; Pb: (0.49±0.03) μg/g; Cd: (0.128±0.006) μg/g
粮食/Foodstuff				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW10035	小麦粉 Pb、Cd、Cr 分析标准物质	Pb、Cd、Cr in wheat powder	30g	Pb: (1.63±0.03) mg/kg; Cd: (0.074±0.003) mg/kg; Cr: (0.095±0.006) mg/kg
GBW10036	玉米粉 Pb、Cd、Cr 分析标准物质	Pb、Cd、Cr in corn powder	30g	Pb: (0.810±0.022) mg/kg; Cd: (0.015±0.005) mg/kg; Cr: (0.105±0.006)

				mg/kg
GBW(E)100126	全麦粉粗蛋白质	Crude protein in whole wheat flour	80g	(15.8±0.3)%
GBW(E)100127	全麦粉粗脂肪	Crude fat in whole wheat flour	80g	(1.83±0.23)%
GBW(E)100128	全麦粉粗纤维素	Crude fibre in whole wheat flour	80g	(1.9±0.2)%
GBW(E)100377	糙米粉中 As、Cd、Pb 成分分析标准物质	As, Cd and Pb in Brown Rice Flour	30g	Pb 0.220×10^{-6} , $U=0.020$; Cd 0.261, $U=0.020$; As 0.498×10^{-6} , $U=0.030$
GBW(E)100378	糙米粉中 As、Cd 成分分析标准物质	As and Cd in Brown Rice Flour	30g	Cd 0.169×10^{-6} , $U=0.015$; As 0.197×10^{-6} , $U=0.016$
GBW(E)100379	全麦粉中 Cd、Pb 成分分析标准物质	Cd and Pb in Whole wheat Flour	30g	Pb 0.220×10^{-6} , $U=0.018$; Cd 0.155, $U=0.013$
GBW(E)100380	玉米粉中 As、Cd、Pb 成分分析标准物质	As, Cd and Pb in Mainze Flour	30g	Pb 0.417×10^{-6} , $U=0.030$; Cd 0.045, $U=0.004$; As 0.277×10^{-6} , $U=0.023$
GBW(E)100381	玉米粉中 Pb 成分分析标准物质	Pb in Mainze Flour	30g	Pb 0.238×10^{-6} , $U=0.018$
GBW(E)100382	全麦粉中呕吐毒素成分分析标准物质	Deoxynivalenol in wheat	100g	1.87×10^{-6} , $U=0.15$
GBW(E)100383	玉米全粉中呕吐毒素和玉米赤霉烯酮成分分析标准物质	Deoxynivalenol and Zearalenone in maize	100g	呕吐毒素 Deoxynivalenol 1.41×10^{-6} , $U=0.11$; 玉米赤霉烯酮 Zearalenone 0.25×10^{-6} , $U=0.03$
GBW(E)100384	全麦粉中玉米赤霉烯酮成分分析标准物质	Zearalenone in wheat	100g	95×10^{-6} , $U=12$
GBW(E)100385	玉米全粉中玉米赤霉烯酮成分分析标准物质	Zearalenone in maize	100g	70×10^{-6} , $U=11$
GBW(E)100386	玉米全粉中黄曲霉毒素 B1 成分分析标准物质	AflatoxinB1 in maize	100g	27×10^{-6} , $U=3$
GBW10011	生物成分分析标准物质——小麦	Wheat flour	35g	Al, As, Ba, Ca, Cd, Ce, Cl, Cr, Cu, Fe, K, La, Li, N, Mg, Mn, Mo, Na, Nd, Ni, P, Pb, Pr, S, Sm, Se, Sr, Yb, Zn, Rb, [Tl], [Sc], [Si], [Tm], [Tb], [Th], [Ti], [ash], [Er], [Eu], [Gd], [B], [Be], [Nb], [Ge], [Hf], [Hg], [Ho], [I], [Lu], [Sb], [Bi], [Br], [Co], [Cs], [Dy], [V], [Y], [U]
GBW10012	生物成分分析标准物质——玉米	Corn flour	35g	Al, As, B, Ba, Be, Bi, Br, Ca, Ce, Cl, Cs, Cu, Dy, Er, F, Fe, Gd, Hf, Ho, K, Lu, La, Mg, Mn, Mo, Nd, N, Ni, P, Yb, Zn, Se, Si, Sm, Sr, Tb, Th, Ti, V, Y, Pb, Pr, Rb, S, Sc, [Na], [ash], [Ge], [Hg], [Tl], [Tm], [U], [Co], [Cr], [Eu], [Sb], [Li], [I], [Nb]

GBW10013	生物成分分析标准物质 ——黄豆	Soybean flour	35g	As, Ba, B, Be, Ca, Ce, Cl, Co, Cs, Cr, Cu, Dy, Er, Eu, Fe, Gd, K, Li, La, Mg, Mo, Mn, Na, N, Nd, Ni, P, Pb, Pr, Rb, S, Sc, Se, Si, Sm, Th, Y, Yb, Zn, Sr, Tb, [Br], [Cd], [Na], [Sb], [Tl], [Tm], [U], [V], [ash], [Ge], [Hg], [Ho], [Lu], [Al], [Nb], [I], [Bi]
GBW10054	脱脂大豆粉中钾镁钙铁 锌锰铜钠成分分析标准 物质	K, Mg, Ca, Fe, Zn, Mn, Cu, Na in defatted soybean powder	40g	K: (24.20±0.39)g/kg; Mg: (2.74±0.11)g/kg; Ca: (1.71±0.06)g/kg; Fe: (154±4)mg/kg; Mn: (35.9±1.7)mg/kg; Zn: (44.9±0.8)mg/kg; Cu: (14.6±0.4mg/kg; [Na: 8mg/kg]
GBW10055	全脂大豆粉中钙、铁、锌、 铜成分分析标准物质	Ca, Fe, Zn, Cu in whole fat soybean powder	30g	Ca: (1.54±0.05)mg/kg; Fe: (53.2±1.5)mg/kg; Zn: (36.3±0.9)mg/kg; Cu: (10.1±0.3)mg/kg
GBW(E)080684	大米粉成分分析标准物 质	Rice flour	30g	As, Ca, Cd, Cu, Fe, K, Pb, Mg, Mn, Na, Se, Zn, [N], [P]
GBW(E)100194	大米粉成分分析标准物 质	Rice powder	30g	K: (1.05±0.03)g/kg; Mg: (0.216±0.013)g/kg; Ca: (58.5±3.3)mg/kg; Fe: (12.2±0.9)mg/kg; Mn: (8.0±0.6)mg/kg; Zn: (15.4±0.7)mg/kg; Cu: (2.2±0.2)mg/kg; [Na: 10.1mg/kg]
GBW(E)100195	小麦粉成分分析标准物 质	Wheat powder	30g	K: (2.34±0.07)g/kg; Mg: (0.70±0.05)g/kg; Ca: (0.324±0.007)g/kg; Fe: (23.2±2.6)mg/kg; Mn: (16.7±0.9)mg/kg; Zn: (15.9±0.8)mg/kg; Cu: (3.8±0.3)mg/kg; [Na: 10.8mg/kg]
GBW(E)100196	玉米粉成分分析标准物 质	Corn powder	30g	K: (1.069±0.005)g/kg; Mg: (140±7)mg/kg; Ca: (44.7±2.2)mg/kg; Fe: (18.9±1.0)mg/kg; Mn: (1.64±0.19)mg/kg; Zn: (4.78±0.16)mg/kg; Cu: (0.85±0.09)mg/kg; [Na: 7.0mg/kg]
GBW(E)100348	大米粉成分分析标准物 质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW(E)100349	大米粉成分分析标准物 质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW(E)100350	大米粉成分分析标准物 质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW(E)100351	大米粉成分分析标准物 质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW(E)100352	大米粉成分分析标准物 质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW(E)100353	大米粉成分分析标准物 质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW(E)100354	大米粉成分分析标准物 质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW(E)100355	大米粉成分分析标准物	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)

	质			
GBW(E)100356	大米粉成分分析标准物质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW(E)100357	大米粉成分分析标准物质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW(E)100358	大米粉成分分析标准物质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW(E)100359	大米粉成分分析标准物质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW(E)100360	大米粉成分分析标准物质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW(E)100361	大米粉成分分析标准物质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW(E)100362	大米粉成分分析标准物质	Rice powder	35g	Cr;As (Total) ;Cd;Hg;Pb;As (Inorganic)
GBW10043	辽宁大米	Rice from Liaoning	35g	Al, As, B, Ba, Be, [Bi], [Br], Ca, Cd, [Ce], [Cl], Co, Cr, Cs, Cu, [Dy], Er, Eu, Fe, Gd, [Ge], Hg, Ho, [I], K, [La], Li, [Lu], Mg, Mn Mo, [N], Na, [Nb], [Nd], Ni, P, Pb, Pr, Rb, [S], [Sb], [Sc], Se, [Si], Sm, [Sn], Sr, [Tb], [Th], [Ti], [Tl], [Tm], [U], [V], Y, [Yb], Zn
GBW10044	四川大米	Rice from Sichuan	35g	[Al], As, B, Ba, Be, [Bi], [Br], Ca, Cd, Ce, [Cl], Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, [Ge], [Hg], Ho, K, La, Li, [Lu], Mg, Mn, Mo, [N], Na, [Nb], Nd, Ni, Pb, Pr, Rb, [S], [Sb], [Sc], [Se], [Si], Sm, [Sn], Sr, [Tb], Th, [Ti], Tl, Tm, [U], [V], Y, Yb, Zn
GBW10045	湖南大米	Rice from Hunan	35g	[Ag], [Al], As, B, Ba, Be, Bi, [Br], Ca, Cd, Ce, [Cl], Co, [Cr], Cs, Cu, Dy, Er, Eu, Fe, Gd, Ge, Hg, Ho, [I], K, [La], Li, Mg, Mn, Mo, [N], [Na], [Nb], [Nd], Ni, P, Pb, [Pr], Rb, [S], [Sb], [Sc], Se, [Si], Sm, [Sn], Sr, [Tb], [Th], [Ti], Tl, [Tm], [U], [V], Y, Yb, Zn
GBW10046	河南小麦	Wheat powder from Henan	35g	[Ag], [Al], [As], B, Ba, Be, [Bi], [Br], Ca, Cd, Ce, [Cl], Co, [Cr], Cs, Cu, Dy, Er, Eu, Fe, Gd, Ge, [Hg], Ho, K, La, Li, [Lu], Mg, Mn, Mo, [N], Na, [Nb], Nd, [Ni], P, Pb, Pr, Rb, S, [Sb], [Sc], Se, [Si], Sm, [Sn], Sr, Tb, [Th], [Ti], [Tl], Tm, [U], [V], Y, Yb, Zn

GBW(E)100009	水稻粉营养成分分析标准物质	Nutritious compositions in rice flour	10g	粗蛋白质(crude protein), 粗淀粉(crude starch), 氨基酸总量(total amino acid)天门冬氨酸(aspartic acid), 苏氨酸(threonine), 丝氨酸(serine), 谷氨酸(glutamic acid), 异亮氨酸(isoleucine), 亮氨酸(leucine), 酪氨酸(tyrosine), 苯丙氨酸(phenylalanine), 赖氨酸(lysine), 组氨酸(histidine), 精氨酸(arginine), 脯氨酸(proline), 甘氨酸(glycine), 丙氨酸(alanine), 蛋氨酸(methionine), 粗脂肪 (crude fat), 缬氨酸(valine)
GBW(E)08503a	小麦粉中稀土元素成分分析标准物质	Rare Earth Elements in wheat flour	20g	Ce, Dy, Er, Eu, Gd, Ho, La, Lu, Nd, Pr, Sm, Tb, Tm, Y, Yb
GBW(E)100493	小麦粉成分分析标准物质	Certified Reference Material for the Chemical Composition of Wheat Flour	35g	Cr, As, Cd, Pb, Cu, Ni, Se, K, Na, Ca, Mg, Fe, Zn, Mn
GBW(E)100494	小麦粉成分分析标准物质	Certified Reference Material for the Chemical Composition of Wheat Flour	35g	Cr, As, Cd, Pb, Cu, Ni, Se, K, Na, Ca, Mg, Fe, Zn, Mn
GBW(E)100495	小麦粉成分分析标准物质	Certified Reference Material for the Chemical Composition of Wheat Flour	35g	Cr, As, Cd, Pb, Cu, Ni, Se, K, Na, Ca, Mg, Fe, Zn, Mn, Al
GBW(E)100496	小麦粉成分分析标准物质	Certified Reference Material for the Chemical Composition of Wheat Flour	35g	Cr, As, Cd, Hg, Pb, Cu, Ni, Se, K, Na, Ca, Mg, Fe, Zn, Mn, Al
GBW(E)100497	玉米粉成分分析标准物质	Certified Reference Material for the Chemical Composition of Corn Flour	35g	Cr, Cd, Pb, Cu, Ni, Se, K, Na, Ca, Mg, Fe, Zn, Mn
GBW(E)100498	玉米粉成分分析标准物质	Certified Reference Material for the Chemical Composition of Corn Flour	35g	Cr, As, Cd, Pb, Cu, Ni, Se, K, Na, Ca, Mg, Fe, Zn, Mn
★GBW(E)100560	大米粉中汞成分分析标准物质	Mercury in rice powder	6g	(0.021±0.002)mg/kg
★GBW(E)100561	大米粉中汞成分分析标准物质	Mercury in rice powder	6g	(0.061±0.002)mg/kg
★GBW(E)100562	大米粉中汞成分分析标准物质	Mercury in rice powder	6g	(0.381±0.012)mg/kg
动物源制品/Animal Derived Products				
编号/Number	中文名称	Name	规格/Units	特性量/Properties

GBW10018	生物成分分析标准物质 ——鸡肉	Chicken muscle	35g	Mn, Mo, N, P, Pb, S, Al, As, B, Ba, Bi, Br, Ca, Ce, Cl, Cr, Cs, Cu, Dy, Fe, Hg, K, La, Li, Mg, Na, Nd, Ni, Pr, Rb, Si, Sm, Sr, Tb, Y, Zn, [ash], [Lu], [Sc], [Th], [Tl], [Tm], [U], [V], [Be], [Cd], [Co], [Er], [Eu], [Gd], [Ge], [Ho], [I], [Nb], [Se], [Yb], [Tb], [Cr]
GBW(E)100197	牛肉粉成分分析标准物质	Bovine muscle powder	25g	K: (8.32±0.26)g/kg; Mg: (628±15)mg/kg; Ca: (370±21)mg/kg; Fe: (55.5±2.5)mg/kg; Mn: (0.48±0.05)mg/kg; Zn: (119±4)mg/kg; Cu: (1.6±0.2)mg/kg; Na: (4.71±0.22)g/kg
GBW(E)100198	蛋黄粉成分分析标准物质	Egg yolk powder	25g	K: (2.63±0.09)g/kg; Mg: (307±20)mg/kg; Ca: (2.83±0.37)g/kg; Fe: (123±11)mg/kg; Mn: (1.76±6)mg/kg; Zn: (76±1.0)mg/kg; Cu: (3.0±0.2)mg/kg; Na:(1.73±0.13)g/kg
GBW10024	扇贝	Scallop	12g	As, B, Ba, Al, Be, Bi, Br, Ca, Ce, Cd, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, Hg, Ho, I, K, La, Li, Lu, Mg, Mn, Mo, N, Na, Nb, Ni, P, Pr, Rb, S, Se, Sm, Sr, Tb, Tl, Tm, U, V, Y, Yb, Zn, [Ag], [F], [Ge], [Pb], [Sb], [Sc], [Si], [Sn], [Th], [Ti], [灰分(ash)]
NIM-RM3709	三文鱼中 13 种有机氯农药标准物质	13 organochlorinated pesticides in salmon tissue	10g	DDT, DDE, 666, 六氯苯 (hexachlorobenzene), 氯丹(chlordane): (0-10)µg/kg, $U<40\%$
GBW10040	三文鱼中 7 种 PCBs 标准物质	7 PCBs in salmon tissue	10g	PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180: (0-10) µg/kg, $U<11\%$
NIM-RM3710	金枪鱼中 18 种有机氯农药标准物质	18 organochlorinated pesticides in tuna tissue	5g	DDT, DDE, 666, 六氯苯 (hexachlorobenzene), 氯丹(chlordane): (0-110)µg/kg, $U<12\%$
NIM-RM3711	金枪鱼中 14 种有机氯农药标准物质	14 organochlorinated pesticides in tuna tissue	5g	DDT, DDE, 666, 六氯苯 (hexachlorobenzene), 氯丹(chlordane): (0-10)µg/kg, $U<10\%$
GBW10041	金枪鱼中 7 种 PCBs 标准物质	7 PCBs in tuna tissue	5g	PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180: (30-100) µg/kg, $U<6\%$
NIM-RM3717	金枪鱼中 7 种 PCBs(Arochlor 添加)标准物质	7 PCBs in tuna tissue (Arochlor fortified)	5g	PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180: (10-100) µg/kg, $U<8\%$
NIM-RM3708	鱼油中 16 种有机氯农药标准物质	16 organochlorinated pesticides in salmon oil	1mL	DDT, DDE, 666, 六氯苯 (hexachlorobenzene), 氯丹(chlordane): (0-30)µg/kg, $U<16\%$
GBW10042	鱼油中 7 种 PCBs 标准物质	7 PCBs in salmon oil	1mL	PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180: (1-9) µg/kg, $U\leq 8\%$
GBW(E)100129	鲱鱼中有机氯农药 (8 种 OCPs)	8 OCPs in Spanish Mackerel (Fortified with Organochlorine Pesticide)	5g	甲体六六六(α-BHC), 乙体六六六(β-BHC), 丙体六六六(γ-BHC), 丁体六六六(δ-BHC), pp'-DDE, pp'-DDD, pp'-DDT, op'-DDT, $U<8\%$

GBW(E)100130	海鲈鱼中多环芳烃（6 种 PAHs）标准物质	6 PAHs in Bass (Fortified with Polycyclic Aromatic Hydrocarbons)	5g	苯并（b）荧蒽（Benzo(b)fluoranthene）、苯并（k）荧蒽（Benzo(k)fluoranthene）、苯并（g,h,i）芘（Benzo(ghi)perylene）、苯并（a）芘（Benzo(a)pyrene）、荧蒽（Fluoranthene）、茚并（1, 2, 3-cd）芘（Indeno(1, 2, 3-cd)pyrene）， $U<19\%$
GBW(E)100131	鳕鱼中指示性多氯联苯（20 种 PCBs）标准物质	20 PCBs in Cod (Fortified with Arochlor)	5g	PCB18, PCB28, PCB33, PCB52, PCB44, PCB70, PCB101, PCB118, PCB105, PCB153, PCB138, PCB128, PCB187, PCB180, PCB170, PCB199, PCB195, PCB194, PCB206, PCB209, $U<8\%$
GBW10029	鱼肉中总汞与甲基汞成分分析标准物质	Total mercury and methylmercury in fish tissue	5g	总 Hg（Total Hg）：（ 0.85 ± 0.03 ） $\mu\text{g/g}$ ；甲基汞（MeHg, calculated as Hg）：（ 0.84 ± 0.03 ） $\mu\text{g/g}$
GBW10068	牡蛎中无机元素及有机锡（添加）形态标准物质	Elements and Organotins in Oyster Tissue	10g	Na: $(1.01\pm0.03)\times10^{-2}$; K: $(0.97\pm0.02)\times10^{-2}$; Ca: $(4.02\pm0.13)\times10^{-3}$; Mg: $(1.84\pm0.04)\times10^{-3}$; Zn: $(982\pm25)\times10^{-6}$; Fe: $(467\pm12)\times10^{-6}$; Cu: $(269\pm6)\times10^{-6}$; Mn: $(35.8\pm0.7)\times10^{-6}$; Cd: $(18.7\pm0.5)\times10^{-6}$; As: $(12.9\pm0.6)\times10^{-6}$; Ni: $(4.22\pm0.22)\times10^{-6}$; Se: $(3.88\pm0.28)\times10^{-6}$; Sn: $(3.22\pm0.12)\times10^{-6}$; Ba: $(2.93\pm0.16)\times10^{-6}$; Pb: $(1.26\pm0.06)\times10^{-6}$; Hg: $(0.053\pm0.006)\times10^{-6}$ 参考值(refence value): 二丁基锡(dibutyltin): $(1.28\pm0.34)\times10^{-6}$; 三丁基锡(tributyltin): $(1.85\pm0.34)\times10^{-6}$; 三苯基锡(triphenyltin): 3.07×10^{-6} ; 一丁基锡(monobutyltin): 0.52×10^{-6} ; Cl: 1.70%; Br: 105×10^{-6}
GBW08509a	脱脂奶粉成份分析标准物质	Nonfat milk powder	50g	Se: $(0.17\pm0.03)\mu\text{g/g}$; Zn: $(47.2\pm1.0)\mu\text{g/g}$; Fe $(3.26\pm0.20)\mu\text{g/g}$; As: $(0.010)\mu\text{g/g}$; K: $(16.4\pm0.4)\text{mg/g}$; Na: $(5.15\pm0.17)\text{mg/g}$; Ca: $(12.8\pm0.2)\text{mg/g}$; Cu: $(0.35\pm0.03)\mu\text{g/g}$; Mn: $(0.29\pm0.02)\mu\text{g/g}$; Pb: $(0.024\pm0.010)\mu\text{g/g}$; Mg $(1.31\pm0.06)\text{mg/g}$; N: $(58.2\pm1.0)\text{mg/g}$; P: $(10.4\pm0.3)\text{mg/g}$; Cl $(10.3\pm0.3)\text{mg/g}$
GBW10050	大虾	Prawn	12g	[Ag], [Al], [As], B, Ba, Be, [Bi], Br, Ca, Cd, Ce, [Cl], Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Gd, Ge, Hg, Ho, [I], K, La, Li, Lu, Mg, Mn, Mo, [N], Na, Nb, Nd, [Ni], P, Pb, Pr, Rb, [S], [Sb], [Sc], [Se], [Si], Sm, [Sn], Sr, Tb, Th, [Ti], Tl, Tm, U, V, Y, Yb, Zn

GBW10051	猪肝	Pork liver	35g	[Al], As, [B], [Ba], Be, [Bi], [Br], [Ca], Cd, [Ce], [Cl], Co, Cr, Cs, Cu, [Dy], [Er], [Eu], Fe, [Gd], [Ge], Hg, [Ho], [I], K, [La], [Li], Mg, Mn, Mo, [N], Na, [Nd], [Ni], P, Pb, [Pr], Rb, S, [Sb], [Sc], Se, [Sm], Sr, [Tb], [Th], Tl, U, [V], [Y], [Yb], Zn
NIM-RM3832-1	奶粉中蛋白质标准物质	Protein in milk powder	1g	17.44%, U=6%
NIM-RM3832-2	奶粉中蛋白质标准物质	Protein in milk powder	1g	22.84%, U=6%
NIM-RM3832-3	奶粉中蛋白质标准物质	Protein in milk powder	1g	34.63%, U=6%
NIM-RM3648	乳清蛋白粉总氮和蛋白质含量标准物质	Reference material for the protein content of whey protein powder	1.2g	总氮 Total N 5.5%, U=3%; 蛋白质 Protein 34.4%, U=3%
GBW10060	奶粉中三聚氰胺标准物质	Melamine in milk powder	20g	3.47×10^{-6} , U=14%
GBW10061	奶粉中三聚氰胺标准物质	Melamine in milk powder	20g	16.5×10^{-6} , U=10%
GBW10037	婴幼儿配方奶粉中烟酰胺成分分析标准物质	Nicotinamide in infant formula	30g	烟酰胺 (niacinamide) 65.3mg/kg, U=5.6%
GBW(E)100227	婴幼儿配方奶粉中烟酸、维生素 B1、维生素 B2、维生素 B6 及 10 种无机元素成分标准物质	Vitamin B ₁ , B ₂ , B ₆ , nicotinic acid and 10 Inorganic elements in Infant Formula	35g	烟酸 (Nicotinic acid, Vitamin B ₃): (39.8±1.2)mg/kg; 维生素 B1 (Vitamin B ₁): (6.60±0.46)mg/kg; 维生素 B2 (Vitamin B ₂): (20.2±1.2)mg/kg; 维生素 B6 (Vitamin B ₆): (4.71±0.31) mg/kg; Ca: (4.37±0.24) mg/g; Cu (4.5±0.2) mg/kg Fe: (78.7±3.06) mg/kg; K: (6.11±0.12) mg/g; Mg: (849 ±13)mg/kg; Mn: (1.06 ±0.06)mg/kg; Na: (1.95±0.04) mg/g; Zn: (58.1 ±2.6)mg/kg; P: (2.98±0.07) mg/g; Se: (1.23±0.12) mg/kg
GBW10085	奶粉中氯霉素成分分析标准物质	Chloramphenicol Content in Milk Powder	5g	0.91×10^{-9} , U=0.07×10 ⁻⁹
GBW10080	蜂蜜中 5-羟甲基糠醛成分分析标准物质	5-Hydroxymethylfurfural in honey	30g	(11±1)mg/kg
GBW10081	蜂蜜中 6-羟甲基糠醛成分分析标准物质	6-Hydroxymethylfurfural in honey	30g	(27.2±2)mg/kg
GBW10082	蜂蜜中 7-羟甲基糠醛成分分析标准物质	7-Hydroxymethylfurfural in honey	30g	(67.3±4.3)mg/kg
GBW10030	蛋黄粉中胆固醇标准物质	Cholesterol in egg yolk powder	30g	22.43 g/kg, U = 0.90 g/kg
GBW10115	乳粉中十种元素成分分析标准物质	10 Elements in Milk Powder	2*10g	质量分数(mass fraction) (×10 ⁻⁶): Al2.89,U=0.24; Cr2.34,U=0.13; Ni0.46,U=0.03; Cu2.15,U=0.09; As0.42,U=0.02; Se0.34,U=0.01; Cd0.205,U=0.010; I1.62,U=0.15; Hg0.121,U=0.005; Pb0.214,U=0.010

GBW10116	乳粉中十种元素成分分析标准物质	10 Elements in Milk Powder	2*10g	质量分数(mass fraction) ($\times 10^{-6}$): Al5.59,U= 0.41; Cr0.96,U= 0.05; Ni0.92,U= 0.05; Cu7.15,U= 0.19; As0.52,U= 0.03; Se0.17,U= 0.01; Cd0.092,U= 0.004; I2.99,U= 0.23; Hg0.061,U= 0.004; Pb0.114,U= 0.005
GBW10117	乳粉中十种元素成分分析标准物质	10 Elements in Milk Powder	2*10g	质量分数(mass fraction) ($\times 10^{-6}$): Al4.58,U= 0.25; Cr1.90,U= 0.06; Ni1.10,U= 0.05; Cu5.96,U= 0.32; As0.20,U= 0.01; Se0.14,U= 0.01; Cd0.111,U= 0.002; I1.27,U= 0.10; Hg0.039,U= 0.003; Pb0.2416,U= 0.010
GBW10118	乳粉中十种元素成分分析标准物质	10 Elements in Milk Powder	2*10g	质量分数(mass fraction) ($\times 10^{-6}$): Al3.34,U= 0.21; Cr1.25,U= 0.05; Ni0.35,U= 0.02; Cu1.76,U= 0.08; As0.23,U= 0.02; Se0.42,U= 0.02; Cd0.168,U= 0.006; I2.33,U= 0.18; Hg0.081,U= 0.005; Pb0.505,U= 0.017
GBW(E)100364	猪肉粉中克伦特罗成分分析标准物质	Clenbuterol in pork powder	2.5g	3.6 μ g/kg,U=0.4 μ g/kg
GBW(E)100365	鱼肉粉中氯霉素成分分析标准物质	Chloramphenicol in fish powder	3g	0.6 μ g/kg,U=0.05 μ g/kg
GBW(E)100500	全脂奶粉中黄曲霉毒素M1 成分分析标准物质	Aflatoxin M1 in Whole Milk Powder	30g 腺苷	0.131 μ g/kg,U=0.016 μ g/kg
GBW(E)100501	全脂奶粉中黄曲霉毒素M1 成分分析标准物质	Aflatoxin M1 in Whole Milk Powder	30g	0.42 μ g/kg,U=0.05 μ g/kg
★GBW(E)091094	奶粉中大肠杆菌标准物质	Reference material of Escherichia coli in milk powder	0.5 g	(7.8 $\pm$ 1.3) $\times 10^1$ CFU/g
★GBW(E)091095	奶粉中大肠杆菌标准物质	Reference material of Escherichia coli in milk powder	0.5 g	(5.5 $\pm$ 1.1) $\times 10^2$ CFU/g
★GBW(E)091096	奶粉中大肠杆菌标准物质	Reference material of Escherichia coli in milk powder	0.5 g	(7.3 $\pm$ 1.4) $\times 10^3$ CFU/g

白酒/Alcohol

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)100012-100013	白酒色谱分析标准物质	Reference materials for the chromatographic analysis of alcohol	GBW(E)100012: 5mL; GBW(E)100013: 2mL	异戊酯(isoamyl ester), 乳酸乙酯(ethyl lactate), 己酸乙酯(ethyl hexylate), 异丁醇(iso-Butyl alcohol), 乙酸正丁酯(butyl acetate), 甲醇(methanol), 乙酸乙酯(ethyl acetate), [正丁醇(n-butanol)], [正丙醇(n-propyl alcohol)], [丁酸乙酯(ethyl butyrate)], [仲丁醇(sec-butanol)]

GBW(E)080647	乙醇水溶液中甲醇标准物质	Methanol in alcohol/water(50%/50%)	2mL	1.00mg/mL , U=3%
GBW(E)080648	乙醇水溶液中异丁醇和异戊醇标准物质	Isobutanol and isopentanol in alcohol/water(50%/50%)	2mL	1.00mg/mL , U=3%
GBW(E)080649	乙醇水溶液中甲醇、异丁醇和异戊醇标准物质	Methanol, isobutanol and isopentanol in alcohol/water(50%/50%)	2mL	1.00mg/mL , U=3%
GBW(E)082065	β-苯乙醇乙醇水溶液标准物质	β-Phenethyl Alcohol in Alcohol-Water	2mL	0.50mg/mL, U=0.02mg/mL
GBW(E)082066	糠醛乙醇水溶液标准物质	Furfural in Alcohol-Water	2mL	0.50mg/mL, U=0.02mg/mL
GBW(E)082067	丙酸乙酯、乳酸乙酯和己酸乙酯乙醇水溶液标准物质	Ethyl Propionate, Ethyl Lactate and Ethyl Hexanoate in Alcohol-Water	2mL	丙酸乙酯(ethyl Propionate), 0.50mg/mL, U=0.02mg/mL; 乳酸乙酯(ethyl Lactate), 2.0mg/mL,U=0.1mg/mL; 己酸乙酯(ethyl Hexanoate), 3.0mg/mL,U=0.1mg/mL
GBW10098	β-苯乙醇纯度标准物质	Purity of Phenethyl Alcohol	1mL	99.5%, U=0.4%
GBW10099	糠醛纯度标准物质	Purity of Furfural	1mL	99.7%, U=0.4%
GBW10100	丙酸乙酯纯度标准物质	Purity of Ethyl Propionate	1mL	99.3%, U=0.4%
GBW10101	乳酸乙酯纯度标准物质	Purity of Ethyl Lactate	1mL	99.5%, U=0.4%
GBW10102	己酸乙酯纯度标准物质	Purity of Ethyl Hexanoate	1mL	99.5%, U=0.4%

食用油/Edible Oil

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)100120	大豆油脂脂肪酸成分分析标准物质	Fatty acid of soya bean oil	2mL	棕榈酸(C16:0): 11.0%±0.8%, 硬脂酸(C18:0): 4.5%±0.6%, 油酸(C18:1): 20.7%±1.0%, 亚油酸(C18:2): 54.2%±2.4%, 亚麻酸(C18:3): 8.9%±1.8%
GBW(E)100121	菜籽油脂肪酸成分分析标准物质	Fatty acid of colaz oil	2mL	棕榈酸(C16:0): 8.9%±0.8%; 硬脂酸(C18:0): 2.8%±0.2%; 油酸(C18:1): 22.3%±1.0%; 亚油酸(C18:2): 40.1%±2.2%; 亚麻酸(C18:3): 9.2%±0.8%; 花生酸(C20:0): 0.5%±0.1%; 鳕烯酸(C20:1): 5.1%±0.4%; 芥酸(C22:1): 10.0%±1.6%
GBW(E)100122	花生油脂脂肪酸成分分析标准物质	Fatty acid of peanut oil	2mL	棕榈酸(C16:0): 11.0%±0.6%; 硬脂酸(C18:0): 3.5%±0.8%; 油酸(C18:1): 43.7%±1.0%; 亚油酸(C18:2): 35.0%±0.6%; 花生酸(C20:0): 1.6%±0.2%; 鳕烯酸(C20:1): 0.9%±0.1%; 山嵛酸(C22:0): 2.8%±0.5%; 二十四碳烷酸(C24:0): 1.2%±0.4%
GBW(E)100123	葵花籽油脂肪酸成分分析标准物质	Fatty acid of sunflower oil	2mL	棕榈酸(C16:0): 6.1%±0.4%; 硬脂酸(C18:0): 5.6%±0.5%; 油酸(C18:1): 24.0%±1.4%; 亚油酸(C18:2): 62.2%±1.5%; 亚麻酸(C18:3): 1.0%±0.7%; 山嵛酸(C22:0):

				0.8%±0.2%
GBW(E)100124	玉米油脂肪酸成分分析 标准物质	Fatty acid of corn oil	2mL	棕榈酸(C16:0): 12.4%±0.8%; 硬脂酸(C18:0): 1.8%±0.3%; 油酸(C18:1): 29.1%±1.3%; 亚油酸(C18:2): 55.1%±1.5%; 亚麻酸(C18:3): 0.9%±0.6%; 花生酸(C20:0): 0.4%±0.2%
GBW(E)100125	芝麻油脂肪酸成分分析 标准物质	Fatty acid of sesame oil	2mL	棕榈酸(C16:0): 9.5%±0.6%; 硬脂酸(C18:0): 5.2%±1.0%; 油酸(C18:1): 39.0%±0.7%; 亚油酸(C18:2): 44.9%±1.0%; 花生酸(C20:0): 0.6%±0.2%
BW3599	六号溶剂	#6 slovent	4mL	(10.0±0.5)mg/mL
NIM-RM3652	大豆油中脂肪酸标准物 质	Fatty Acids in Soybean Oil	1mL	辛酸 (C8:0) : (0.73±0.04) g/100g; 癸酸 (C10:0) : (1.02±0.06) g/100g; 十一酸 (C11:0) : (0.78±0.04) g/100g; 十二酸 (C12:0) : (1.04±0.05) g/100g; 十四酸 (C14:0) : (0.99±0.05) g/100g; 十六酸 (C16:0) : (9.96±0.30) g/100g; 十八酸 (C18:0) : (4.04±0.12) g/100g; 顺-9-十八烯酸 (C18:1) : (21.62±0.64) g/100g; 顺, 顺-9,12-十八碳二烯酸 (C18:2) : (48.61±1.50) g/100g; 顺, 顺, 顺-9,12,15十八碳三烯酸(C18:3): (4.64±0.22)g/100g; 二十酸 (C20:0) : (0.39±0.03) g/100g; 顺-11-二十烯酸 (C20:1) : (0.21±0.02) g/100g; 二十二酸 (C22:0) : (0.49±0.03)
NIM-RM3653	花生油中脂肪酸标准物 质	Fatty Acidsin Peanut Oil	1mL	十六酸 (C16:0) : (10.77±0.32) g/100g; 十八酸 (C18:0) : (3.76±0.17) g/100g; 顺-9-十八烯酸 (C18:1) : (37.74±1.11) g/100g; 顺, 顺-9,12-十八碳二烯酸(C18:2) : (35.88±1.05) g/100g; 二十酸 (C20:0) : (1.54±0.08) g/100g; 顺-11-二十烯酸 (C20:1) : (0.77±0.05) g/100g; 二十二酸 (C22:0) : (2.64±0.13) g/100g; 二十四酸 (C24:0) 1.32±0.09) g/100g
NIM-RM3654	橄榄油中脂肪酸标准物 质	Fatty Acids in Olive Oil	1mL	十六酸 (C16:0) : (10.99±0.75) g/100g; 顺-9-十六烯酸(C16:1):(0.76±0.04)g/100g; 十八酸 (C18:0) : (3.18±0.28) g/100g; 顺-9-十八烯酸 (C18:1) : (73.58±2.96) g/100g; 顺, 顺-9,12-十八碳二烯酸(C18:2) : (6.20±0.34) g/100g; 顺, 顺, 顺-9,12,15十八碳三烯酸(C18:3):(0.61±0.04)g/100g; 二十酸 (C20:0) : (0.38±0.03) g/100g; 二十二酸 (C22:0) : (0.15±0.02) g/100g

NIM-RM3655	二十六种脂肪酸甲酯混合溶液	Fatty Acid Methyl Esters in 2,2,4-Trimethylpentane	1mL	辛酸甲酯(C8:0): (0.41±0.01) mg/mL; 癸酸甲酯(C10:0): (0.38±0.01) mg/mL; 十一酸甲酯(C11:0): (0.40±0.01) mg/mL; 十二酸甲酯(C12:0): (0.40±0.01) mg/mL; 十三酸甲酯(C13:0): (0.40±0.01) mg/mL; 十四酸甲酯(C14:0): (0.40±0.01) mg/mL; 十四碳一烯酸甲酯(C14:1): (0.41±0.01) mg/mL; 十五酸甲酯(C15:0): (0.40±0.01) mg/mL; 十六酸甲酯(C16:0): (0.35±0.01); 十六碳一烯酸甲酯(C16:1): (0.40±0.01) mg/mL; 十七酸甲酯(C17:0): (0.43±0.01) mg/mL; 十七碳一烯酸甲酯(C17:1): (0.41±0.01) mg/mL; 十八酸甲酯(C18:0): (0.48±0.01) mg/mL; 十八碳一烯酸甲酯(C18:1): (0.40±0.01) mg/mL; 十八碳二烯酸甲酯(C18:2): (0.41±0.01) mg/mL; 十八碳三烯酸甲酯(C18:3) : (0.42±0.01) mg/mL; 十八碳三烯酸甲酯(C18:3): (0.42±0.01) mg/mL; 二十酸甲酯(C20:0): (0.36±0.01) mg/mL; 二十碳一烯酸甲酯(C20:1): (0.39±0.01) mg/mL; 二十碳四烯酸甲酯(C20:4): (0.40±0.01) mg/mL; 二十碳五烯酸甲酯(C20:5): (0.42±0.01) mg/mL; 二十二酸甲酯(C22:0): (0.39±0.01) mg/mL; 二十二碳一烯酸甲酯(C22:1): (0.39±0.01) mg/mL; 二十二碳六烯酸甲酯(C22:6): (0.42±0.01) mg/mL; 二十四酸甲酯(C24:0): (0.48±0.01) mg/mL; 二十四碳一烯酸甲酯(C24:1): (0.42±0.01) mg/mL
NIM-RM3656	反-9-十四烯酸纯度标准物质	Purity of trans-9-Tetradecenoic Acid	50mg	99.8%, U= 0.4%
NIM-RM3657	反-9-十六烯酸纯度标准物质	Purity of trans-9-Hexadecenoic Acid	50mg	99.9%, U= 0.4%
NIM-RM3658	反-10-十七烯酸纯度标准物质	Purity of trans-10-Heptadecenoic Acid	50mg	99.8%, U= 0.4%
NIM-RM3659	顺-9-十四烯酸纯度标准物质	Purity of cis-9-Tetradecenoic Acid	50mg	98.8%, U= 0.3%
NIM-RM3660	顺-9-十六烯酸纯度标准物质	Purity of cis-9-Hexadecenoic Acid	50mg	99.4%, U= 0.3%
NIM-RM3661	顺-10-十七烯酸纯度标准物质	Purity of cis-10-Heptadecenoic Acid	50mg	99.2%, U= 0.3%
NIM-RM3662	顺-6-十八烯酸纯度标准物质	Purity of cis-6-Hexadecenoic Acid	80mg	99.9%, U= 0.4%
NIM-RM3663	顺-9-十八烯酸纯度标准物质	Purity of	80mg	99.4%, U= 0.3%

	物质	cis-9-Octadecenoic Acid		
NIM-RM3664	顺-11-二十烯酸纯度标准物质	Purity of cis-11-Eicosenoic Acid	50mg	99.5%, $U=0.4\%$
NIM-RM3665	顺-13-二十二烯酸纯度标准物质	Purity of cis-13-Docosenoic Acid	100mg	99.9%, $U=0.4\%$
NIM-RM3670	亚油酸纯度标准物质	Purity of Linoleic acid	60mg	99.3%, $U=0.6\%$
NIM-RM3671	α -亚麻酸纯度标准物质	Purity of α -Linolenic acid	50mg	99.5%, $U=0.6\%$
NIM-RM3672	γ -亚麻酸纯度标准物质	Purity of γ -Linolenic acid	50mg	99.6%, $U=0.4\%$
NIM-RM3673	花生四烯酸纯度标准物质	Purity of Arachidonic acid	50mg	99.6%, $U=0.4\%$
NIM-RM3674	二十碳五烯酸纯度标准物质	Purity of cis-5,8,11,14,17-Eicosapentaenoic acid	50mg	99.7%, $U=0.4\%$
NIM-RM3675	二十二碳六烯酸纯度标准物质	Purity of cis-4,7,10,13,16,19-Docosahexaenoic acid	50mg	99.6%, $U=0.4\%$
NIM-RM3676	聚葡萄糖（保龄宝）纯度标准物质	Purity of Polydextrose (from Bao Ling Bao)	4g	90g/100g, $U=7\text{g}/100\text{g}$
NIM-RM3677	聚葡萄糖（泰莱）纯度标准物质	Purity of Polydextrose (from Tate & Lyle)	4g	90g/100g, $U=9\text{g}/100\text{g}$
GBW(E)100502	食用油中辣椒素、二氢辣椒素、合成辣椒素成分分析标准物质	Capsaicin, Dihydrocapsaicin and n-Vanillylnonanamide in Edible Oil	5mL	辣椒素 $0.11\mu\text{g}/\text{kg}$, $U=0.02\mu\text{g}/\text{kg}$; 二氢辣椒素 $0.11\mu\text{g}/\text{kg}$, $U=0.02\mu\text{g}/\text{kg}$; 合成辣椒素 $0.12\mu\text{g}/\text{kg}$, $U=0.02\mu\text{g}/\text{kg}$
GBW(E)100503	食用油中辣椒素、二氢辣椒素、合成辣椒素成分分析标准物质	Capsaicin, Dihydrocapsaicin and n-Vanillylnonanamide in Edible Oil	5mL	辣椒素 $1.08\mu\text{g}/\text{kg}$, $U=0.08\mu\text{g}/\text{kg}$; 二氢辣椒素 $1.13\mu\text{g}/\text{kg}$, $U=0.09\mu\text{g}/\text{kg}$; 合成辣椒素 $1.14\mu\text{g}/\text{kg}$, $U=0.14\mu\text{g}/\text{kg}$
★NIM-RM3777	植物油抽提溶剂（六号溶剂）溶液标准物质	Hydrocarbon-based Solvents in N,N-Dimethylacetamide	2.5mL /瓶	质量浓度: $9.8\text{ mg}/\text{mL}$ $U=5\%$ ($k=2$)

营养及功能成分/Nutritional and Functional Components

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW10006-10008	食用盐中碘成分分析标准物质	Iodine in refined salt	11g×3	$(12.5\pm 2.0)\times 10^{-6}\text{g}/\text{g}$; $(24.5\pm 2.0)\times 10^{-6}\text{g}/\text{g}$; $(32.0\pm 3.0)\times 10^{-6}\text{g}/\text{g}$;
NIM-RM3594	膳食纤维标准物质	Total dietary fibre	25g	71.4%, $U=3.0\%$
GBW09502	灵芝中锗成分分析标准物质	Germanium in ganoderma lucidum	10g	$(0.38\pm 0.08)\times 10^{-6}\text{g}/\text{g}$
GBW(E)100063	咖啡因标准物质	Caffeine	0.1g	99.8%, $U=0.2\%$
GBW(E)100037	褪黑素纯度标准物质	Melatonin	50mg	99.8%, $U=0.3\%$

GBW(E)100038	染料木素纯度标准物质	Genistein	10mg	99.8%, $U=0.3\%$
GBW(E)100039	大豆黄酮纯度标准物质	Daidzein	10mg	99.8%, $U=0.3\%$
GBW(E)100047	大豆苷	Daidzein	10mg	99.13%, $U=0.16\%$
GBW(E)100048	黄豆苷	Glycitein	2mg	99.55%, $U=0.10\%$
GBW(E)100049	染料木苷	Genistein	10mg	99.42%, $U=0.10\%$
GBW(E)090057	芸香苷	Rutin	10mg	99.79%, $U=0.30\%$
GBW(E)090058	梔子苷	Gardenoside	10mg	99.82%, $U=0.10\%$
GBW(E)090059	盐酸麻黄碱	Ephedrine hydrochloride	30mg	99.8%, $U=0.8\%$
GBW(E)100190	可可碱纯度标准物质	Purity of Theobromine	0.2g	99.7%, $U=0.4\%$
GBW(E)090092	大黄素纯度标准物质	Purity of emodin	50mg	98.6%, $U=0.6\%$
GBW09204	人参皂苷 Rg1 纯度标准物质	Purity of ginsenoside Rg1	10mg	99.6%, $U=0.6\%$
GBW(E)090095	人参皂苷 Rb1 纯度标准物质	Purity of ginsenoside Rb1	100mg	99.1%, $U=0.6\%$
GBW(E)100247	阿魏酸纯度标准物质	Purity of Ferulic acid	0.1g	99.88%, $U=0.18\%$
GBW(E)100248	芹菜素纯度标准物质	Purity of Apigenin	0.1g	99.07%, $U=0.35\%$
GBW(E)100249	柯因纯度标准物质	Purity of Chrysin	0.1g	99.54%, $U=0.46\%$
GBW(E)100250	10-羟基癸烯酸纯度标准物质	Purity of 10-hydroxydec-2-enoic acid	0.1g	99.81%, $U=0.20\%$
GBW(E)100062	十七种氨基酸混合溶液标准物质（天氨酸、异亮氨酸、苏氨酸、亮氨酸、丝氨酸、酪氨酸、谷氨酸、苯丙氨酸、甘氨酸、盐酸赖氨酸、丙氨酸、组氨酸、胱氨酸、精氨酸、缬氨酸、脯氨酸、甲硫氨酸）	17 amino acid mixture in 0.1mol/LHCl	1mL	1~3mmol/L, $U<0.1\text{mmol/L}$
GBW(E)100050	苏氨酸纯度标准物质	Threonine	0.2g	99.2%, $U=1.5\%$
GBW(E)100051	丝氨酸纯度标准物质	Serine	0.2g	99.6%, $U=1.5\%$
GBW(E)100052	谷氨酸纯度标准物质	Glutamic acid	0.2g	98.2%, $U=1.5\%$
GBW(E)100053	甘氨酸纯度标准物质	Glycine	0.2g	98.8%, $U=1.5\%$
GBW(E)100054	丙氨酸纯度标准物质	Alanine	0.2g	99.4%, $U=1.5\%$
GBW(E)100055	缬氨酸纯度标准物质	Valine	0.2g	99.4%, $U=1.5\%$
GBW(E)100056	甲硫氨酸纯度标准物质	Methionine	0.2g	98.6%, $U=1.5\%$
GBW(E)100057	异亮氨酸纯度标准物质	Isoleucine	0.2g	99.4%, $U=1.5\%$
GBW(E)100058	亮氨酸纯度标准物质	Leucine	0.2g	99.5%, $U=1.5\%$
GBW(E)100059	酪氨酸纯度标准物质	Tyrosine	0.2g	99.4%, $U=1.5\%$
GBW(E)100060	盐酸赖氨酸纯度标准物质	Lysine hydrochloride	0.2g	99.2%, $U=1.5\%$
GBW(E)100061	苯丙氨酸纯度标准物质	Phenylalanine	0.2g	99.9%, $U=1.5\%$
GBW(E)100080	天氨酸纯度标准物质	Aspartic acid	0.2g	99.1%, $U=1.6\%$
GBW(E)100081	胱氨酸纯度标准物质	Cystine	0.2g	98.3%, $U=2.1\%$
GBW(E)100082	组氨酸纯度标准物质	Histidine	0.2g	99.5%, $U=2.5\%$
GBW(E)100083	精氨酸纯度标准物质	Arginine	0.2g	99.7%, $U=2.0\%$

GBW(E)100084	脯氨酸纯度标准物质	Proline	0.2g	99.0%, $U=1.5\%$
GBW10038	烟酰胺纯度标准物质	Niacinamide	100mg	99.8%, $U=0.4\%$
GBW(E)100184	烟酸 (维生素 B3) 纯度标准物质	Purity of nicotinic acid(Vitamin B3)	50mg	99.9%, $U=0.3\%$
GBW(E)100183	维生素 B6 (盐酸吡哆醇) 纯度标准物质	Purity of pyridoxine hydrochloride(Vitamin B6)	50mg	99.9%, $U=0.4\%$
GBW(E)100271	盐酸吡哆醇纯度标准物质	Purity of pyridoxine hydrochloride	50mg	99.70%, $U=0.30\%$
NIM-RM3600	盐酸硫胺(维生素 B1) 纯度标准物质	Thiamine hydrochloride	50mg	99.6%, $U=0.9\%$
NIM-RM3601	核黄素(维生素 B2) 纯度标准物质	Riboflavin	100mg	99.7%, $U=0.2\%$
NIM-RM3602	泛酸钙(维生素 B5) 纯度标准物质	Calcium pantothenate	100mg	99.6%, $U=0.2\%$
NIM-RM3603	氰钴胺(维生素 B12) 纯度标准物质	Cyanocobalamin	100mg	99.0%, $U=0.8\%$
GBW10126	叶酸纯度标准物质	Purity of Folic Acid	20mg	90.4%, $U=1.0\%$
GBW(E)100265	叶酸纯度标准物质	Purity of Folic Acid	20mg	90.4%, $U=1.1\%$ (扣除结晶水含量后 After deducting the crystal water content)
GBW(E)100266	维生素 D2 纯度标准物质	Purity of Vitamin D2	20mg	98.1%, $U=1.0\%$
GBW(E)100267	维生素 D3 纯度标准物质	Purity of Vitamin D3	20mg	99.6%, $U=0.6\%$
GBW(E)100273	复合维生素成分标准物质	Multi-vitamin powder	1g	盐酸硫胺(Thiamine hydrochloride): (1.01±0.08)mg/g; 核黄素(Riboflavin): (1.24±0.10)mg/g; 泛酸钙(Calcium pantothenate): (8.83±0.57)mg/g; 盐酸吡哆醇(pyridoxine hydrochloride): (1.80±0.13)mg/g
GBW(E)100228	多维元素片中烟酰胺、维生素 B1、维生素 B2、维生素 B6 及 10 种无机元素成分标准物质	Vitamin B ₁ , B ₂ , B ₆ , nicotinic acid and 10 Inorganic elements in Infant Formula	35g	烟酰胺 (Niacinamide): (9.89±0.18) mg/g; 维生素 B1 (Vitamin B1): (2.76 ±0.11)mg/g; 维生素 B2 (Vitamin B2): (4.28±0.17) mg/g; 维生素 B6 (Vitamin B6): (0.30±0.02) mg/g; Ca : (92.7±2.7) mg/g; Cu: (675±11)mg/kg; Fe : (7.24±0.44) mg/g; K: (7.10±0.22) mg/g; Mg : (1.10±0.05) mg/g; Mn : (613±28) mg/kg; Na : (1.13±0.04) mg/g; Zn : (353±18) mg/kg; P : (6.51±1.27) mg/g; Se: (146±12) mg/kg
GBW(E)050004	葡聚糖分子量标准物质	Dextran(narrow molecular weight distribution)	0.2g	Mw: 4320, $U=7.6\%$
GBW(E)050005	葡聚糖分子量标准物质	Dextran(narrow molecular weight distribution)	0.2g	Mw: 12600, $U=7.8\%$
GBW(E)050006	葡聚糖分子量标准物质	Dextran(narrow molecular weight distribution)	0.2g	Mw: 60600, $U=7.6\%$
GBW(E)050007	葡聚糖分子量标准物质	Dextran(narrow molecular weight distribution)	0.2g	Mw: 110000, $U=7.8\%$

GBW(E)050008	葡聚糖分子量标准物质	Dextran(narrow molecular weight distribution)	0.2g	Mw: 289000, U=7.8%
GBW(E)050009	葡聚糖分子量标准物质	Dextran(narrow molecular weight distribution)	0.2g	Mw: 521000, U=7.6%
GBW10064	半乳糖纯度标准物质	Purity of galactose	2g	99.5%, U=0.7%
GBW10063	果糖纯度标准物质	Purity of fructose	2g	99.7%, U=0.5%
GBW10066	木糖纯度标准物质	Purity of xylose	2g	99.7%, U=0.7%
GBW10062	葡萄糖纯度标准物质	Purity of glucose	2g	99.6%, U=0.5%
GBW10065	乳糖纯度标准物质	Purity of lactose	2g	99.5%, U=0.8%
GBW10067	蔗糖纯度标准物质	Purity of sucrose	2g	99.7%, U=0.8%
GBW(E)100142	十二(烷)酸纯度标准物质	Purity of lauric acid	100mg	99.60%,U=1.40%
GBW(E)100143	十六(烷)酸纯度标准物质	Purity of palmitic acid	100mg	99.30%,U=1.00%
NIM-RM3613	硬脂酸纯度标准物质	Purity of stearic Acid	100mg	99.7%,U=0.5%
NIM-RM3614	反式油酸纯度标准物质	Purity of elaidic Acid	100mg	99.4%,U=0.5%
NIM-RM3639	十三(烷)酸纯度标准物质	Purity of tridecanoic Acid	100mg	99.5%,U=0.4%
NIM-RM3640	十四(烷)酸纯度标准物质	Purity of tetradecanoic Acid	100mg	99.6%,U=0.4%
NIM-RM3641	十七(烷)酸纯度标准物质	Purity of heptadecanoic Acid	100mg	99.4%,U=0.3%
NIM-RM3642	二十(烷)酸纯度标准物质	Purity of eicosanoic Acid	100mg	99.3%,U=0.3%
NIM-RM3643	二十二(烷)酸纯度标准物质	Purity of docosanoic Acid	100mg	99.2%,U=0.38%
NIM-RM3676	聚葡萄糖(保龄宝)纯度标准物质	Purity of Polydextrose(from Bao Ling Bao)	4g	90g/100g,U=7g/100g
NIM-RM3677	聚葡萄糖(泰莱)纯度标准物质	Purity of Polydextrose(from Tate & Lyle)	4g	90g/100g,U=9g/100g
GBW(E)100468	水苏糖纯度标准物质	Purity of High Pure Silicon	(40mm×4mm)	(99.9995 ± 0.0003) %
GBW(E)100499	蜂蜜中磺胺甲噁唑成分分析标准物质	Sulfamethoxazole in Honey	10g	20.6 ug/kg U=3.1 ug/kg

食品添加剂及限量物质/Food additives and Limited Components

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)090015a	黄曲霉毒素 B ₁ 溶液标准物质	Aflatoxin B ₁ standard solution	2mL	(1.02±0.022)μg/mL
GBW(E)100301	甲醇中玉米赤霉烯酮溶	Zearalenone in methanol	1mL	(20.52± 0.25)μg/mL

	液标准物质			
GBW(E)100302	甲醇中黄曲霉毒素 B1 溶液标准物质	Aflatoxin B1 in methanol	1mL	(1.96± 0.09)µg/mL
GBW(E)100303	甲醇中赭曲霉毒素 A 溶液标准物质	Ochratoxin in methanol	1mL	(1.9 ± 0.1)µg/mL
GBW(E)100304	乙腈中脱氧雪腐镰刀菌烯醇溶液标准物质	Deoxynivalenol in acetonitrile	1mL	(100.7 ± 3.2)µg/mL
GBW(E)100251	甲醇中 5-羟甲基糠醛溶液标准物质	5-Hydroxymethylfurfural (HMF) in methanol	10mL	1.00mg/mL, U=2%
GBW08676	水中溴酸根溶液标准物质	Bromate in water	20mL	1000mg/L, U=0.3% (k=2)
GBW10057	丙烯酰胺纯度标准物质	Purity of Acrylamide	100mg	(99.9±0.2) %
GBW(E)100001a	食用合成色素柠檬黄溶液标准物质	Food pigment-tartrazine in water	10mL	0.50mg/mL, U=1%
GBW(E)100003a	食用合成色素日落黄溶液标准物质	Food pigment-sunset yellow in water	10mL	0.50mg/mL, U=1%
GBW(E)100005a	食用合成色素亮蓝溶液标准物质	Food pigment-brilliant blue in water	10mL	0.50mg/mL, U=1%
GBW(E)100002a	食用合成色素苋菜红溶液标准物质	Food pigment-amaranth in water	10mL	0.50mg/mL, U=1%
GBW(E)100004a	食用合成色素胭脂红溶液标准物质	Food pigment-ponceau 4R in water	10mL	0.50mg/mL, U=1%
GBW(E)100191	赤藓红溶液标准物质	Erythrosine in water	5mL	100 µg/mL , U=2%
GBW(E)100192	诱惑红溶液标准物质	Allure red in water	5mL	100 µg/mL , U=2%
GBW(E)100208	对位红纯度标准物质	Purity of para red	0.1g	99.5%, U=0.5%
GBW10056	苏丹红 1 号	Sudan I	50mg	99.9%, U=0.3%
NIM-RM3525	苏丹红 2 号	Sudan II	0.1g	83.3%, U=2%
NIM-RM3526	苏丹红 3 号	Sudan III	0.1g	91.3%, U=2%
NIM-RM3527	苏丹红 4 号	Sudan IV	0.1g	75.5%, U=2%
NIM-RM3538	苏丹红 7B	Sudan red 7b	0.1g	93.5%, U=2%
NIM-RM3719	三氯丙醇溶液标准物质 (带内标)	3-MCPD(with internal standard)	set(3)	101µg/g, U=3%
GBW10058	三聚氰胺纯度标准物质	Purity of Melamine	0.1g	99.5%, U=0.4%
NIM-RM3634	丙烯酰胺纯度标准物质	Purity of Acrylamide	50mg	(99.9±0.2) %
NIM-RM3649	双氰胺纯度标准物质	Purity of Dicyanodiamide	100mg	99.4%, U=1.0%
GBW(E)100008	食品甜味剂糖精钠溶液标准物质	Food sweetener-sodium saccharin in water	10mL	1.00mg/mL, U=1%
GBW(E)100210~100214	安赛蜜溶液标准物质	Food sweetener-acesulfame potassium in water	4×10 mL	(50-1000)mg/L, U=2.0%
NIM-RM3510	安赛蜜溶液标准物质	Food sweetener-acesulfame potassium in water	5×5mL	(5-1000)mg/L, U=2.0%
GBW(E)100066	甜蜜素标准物质	Food sweetener-sodium	0.2g	99.3%, U=0.8%

		cyclamate		
GBW(E)100132	三氯蔗糖纯度标准物质	Purity of sucralose	0.2g	(99.6±0.5) %
NIM-RM3605	三氯蔗糖溶液标准物质 (甜味剂)	Sucralose in water	5mL	100µg/mL, U=3%
GBW(E)100006	食品防腐剂苯甲酸溶液 标准物质	Food preservative-benzoic acid in water	10mL	1.00mg/mL, U=1%
NIM-RM3452	石油醚中苯甲酸溶液标 准物质	Food preservative-benzoic acid in petroleum ether	10mL	1mg/mL, U=1%
GBW(E)100007	食品防腐剂山梨酸溶液 标准物质	Food preservative-sorbic acid in water	10mL	1.00mg/mL, U=1%
GBW(E)100022	食品防腐剂山梨酸溶液 标准物质	Food preservative-sorbic acid in water	10mL	1030µg/mL, U=3%
NIM-RM3507	山梨酸标准物质	Food preservative-sorbic acid	0.2g	99%, U=1%
GBW(E)100074	食品添加剂对羟基苯甲 酸甲酯纯度标准物质(尼 泊金甲酯)	Methyl p-hydroxy benzoate	0.1g	99.8%, U=0.2%
GBW(E)100064	尼泊金乙酯标准物质(对 羟基苯甲酸乙酯)	Ethyl p-hydroxybenzoate	0.1g	99.7%, U=0.2%
GBW(E)100075	食品添加剂对羟基苯甲 酸丙酯纯度标准物质(尼 泊金丙酯)	Propyl p-hydroxybenzoate	0.1g	99.3%, U=0.2%
GBW(E)100076	食品添加剂对羟基苯甲 酸异丙酯纯度标准物质 (尼泊金异丙酯)	Isopropyl p-hydroxybenzoate	0.1g	99.7%, U=0.2%
GBW(E)100077	食品添加剂对羟基苯甲 酸丁酯纯度标准物质(尼 泊金丁酯)	Butyl p-hydroxybenzoate	0.1g	99.8%, U=0.2%
GBW(E)100187	对羟基苯甲酸正壬酯纯 度标准物质	Purity of n-Nonyl 4-Hydroxybenzoate	200mg	99.4%, U=0.7%
GBW(E)100189	对羟基苯甲酸异丁酯纯 度标准物质	Purity of iso-butyl 4-Hydroxybenzoate	200mg	99.8%, U=0.2%
GBW(E)100220	对羟基苯甲酸甲酯、对羟 基苯甲酸己酯、对羟基苯 甲酸正丙酯、对羟基苯甲 酸正丁酯、对羟基苯甲酸 异丁酯、对羟基苯甲酸异 丙酯和对羟基苯甲酸正 庚酯混合溶液标准物质	Seven paraben esters mixed solution	2mL	100µg/mL, U=2.0%
GBW(E)100193	乙腈中四种尼泊金酯类 溶液标准物质	Four paraben esters in acetonitrile	2mL	对羟基苯甲酸甲酯 (Methyl p-hydroxy benzoate) : 120.0µg/mL; 对羟基苯甲酸乙 酯 (Ethyl p-hydroxybenzoate) : 119.5µg/mL; 对羟基苯甲酸正丙酯 (Propyl p-hydroxybenzoate) : 119.8µg/mL; 对羟基 苯甲酸正丁酯 (Butyl p-hydroxybenzoate) :

				122.2µg/mL; $U=2\%$
GBW(E)100206	2,6—二叔丁基对甲酚纯度标准物质	Purity of butylated hydroxytoluene (BHT)	0.2g/瓶	99.7%, $U=0.2\%$
GBW(E)100207	叔丁基对羟基茴香醚纯度标准物质	Purity of butylated hydroxyanisole(BHA)	0.2g/瓶	99.5%, $U=1.0\%$
GBW(E)100078	食品添加剂丙酸钙纯度标准物质	Calcium propionate	0.1g	99.7%, $U=0.5\%$
GBW(E)100079	食品添加剂丙酸钠纯度标准物质	Sodium propionate	0.1g	98.7%, $U=0.6\%$
GBW(E)100185	噻苯哒唑纯度标准物质(抗菌剂)	Purity of Thiabendazole	0.2g	99.9%, $U=0.2\%$
GBW(E)100186	2-异丙基硫杂蒽酮(ITX)纯度标准物质(荧光增白剂)	Purity of 2-isopropylthioxanthone	0.2g	99.8%, $U=0.4\%$
GBW(E)100188	1-苯基乙醇纯度标准物质	Purity of 1-phenylethanol	200mg	99.3%, $U=0.3\%$
GBW09805	脱氧腺嘌呤核苷一磷酸	Purity of 2'-deoxyadenosine-5'-monophosphate	20mg	943 g/kg, $U = 63 \text{ g/kg}$
GBW09806	脱氧胞嘧啶核苷一磷酸	Purity of 2'-deoxycytidine 5'-monophosphate	20mg	989 g/kg, $U = 66 \text{ g/kg}$
GBW09807	脱氧鸟嘌呤核苷一磷酸	Purity of 2'-deoxyguanosine 5'-monophosphate	20mg	972 g/kg, $U = 63 \text{ g/kg}$
GBW09808	胸腺嘧啶核苷一磷酸	Purity of Thymidine 5'-monophosphate	20mg	984 g/kg, $U = 67 \text{ g/kg}$
GBW09809	腺嘌呤核苷一磷酸	Purity of Adenosine-5'-phosphoric acid	100mg	986 g/kg, $U = 65 \text{ g/kg}$
GBW09810	胞苷一磷酸	cytidinemonophosphate	100mg	986 g/kg, $U = 42 \text{ g/kg}$
GBW09811	鸟苷一磷酸	guanosinemonophos-phate	100mg	962 g/kg, $U = 56 \text{ g/kg}$
GBW09812	尿苷一磷酸	uridine monophosphate	100mg	968 g/kg, $U = 66 \text{ g/kg}$
GBW09813	次黄嘌呤核苷一磷酸	Inosine monophosphate	100mg	978 g/kg, $U = 68 \text{ g/kg}$
GBW09814	环腺嘌呤核苷一磷酸	Central adenosine monophosphate	100mg	978 g/kg, $U = 65 \text{ g/kg}$
GBW(E)100067	胞苷—5'—磷酸纯度标准物质	Purity of cytidine-5-monophosphate	100mg	99.3%, $U=0.6\%$
GBW(E)100068	鸟苷—5'—磷酸二钠盐纯度标准物质	Purity of guanosine -5-monophosphoric acid disodiumsalt	100mg	99.1%, $U=0.4\%$
GBW(E)100069	尿苷—5'—磷酸二钠盐纯度标准物质	Purity of uridine-5'phosphoric acid disodium salt	100mg	99.4%, $U=0.4\%$
GBW(E)100070	腺嘌呤核苷纯度标准物质	Purity of adenosine	100mg	99.8%, $U=0.3\%$

GBW(E)100071	尿嘧啶核苷纯度标准物质	Purity of uridine	100mg	99.4%, $U=0.4\%$
GBW(E)100144	脱氧腺嘌呤核苷-磷酸纯度标准物质	Purity of 2'-deoxyadenosine-5'-monophosphate	20mg	98.72%, $U=0.74\%$
GBW(E)100145	脱氧胞嘧啶核苷-磷酸纯度标准物质	Purity of 2'-deoxycytidine 5'-monophosphate	20mg	99.64%, $U=0.76\%$
GBW(E)100146	脱氧鸟嘌呤核苷-磷酸纯度标准物质	Purity of 2'-deoxyguanosine 5'-monophosphate	20mg	99.38%, $U=0.96\%$
GBW(E)100147	脱氧胸腺嘧啶核苷-磷酸纯度标准物质	Purity of 2'-deoxyguanosine 5'-monophosphate	20mg	99.50%, $U=0.64\%$
GBW(E)100148	环腺嘌呤核苷-磷酸纯度标准物质	Purity of adenosine 3',5'-cyclic monophosphate	20mg	99.61%, $U=0.62\%$
GBW(E)100154	腺嘌呤核苷-磷酸纯度标准物质	Purity of adenosine 3',5'-cyclic monophosphate	20mg	99.61%, $U=0.13\%$
GBW(E)100181	次黄嘌呤核苷酸二钠纯度标准物质	Purity of disodium inosinate	100mg	99.75%, $U=0.32\%$
GBW(E)100182	次黄嘌呤核苷纯度标准物质	Purity of inosinate	100mg	99.78%, $U=0.24\%$
NIM-RM3756	2-苯乙胺盐酸盐纯度标准物质	Purity of 2-Phenylethylamine Hydrochloride	50mg	97.1%, $U=0.8\%$
NIM-RM3757	尸胺盐酸盐纯度标准物质	Purity of Cadaverine Hydrochloride	50mg	99.6%, $U=0.5\%$
NIM-RM3758	腐胺盐酸盐纯度标准物质	Purity of Putrescine Hydrochloride	50mg	99.7%, $U=0.5\%$
NIM-RM3759	组胺盐酸盐纯度标准物质	Purity of Histamine Dihydrochloride	50mg	99.2%, $U=0.7\%$
NIM-RM3760	章鱼胺盐酸盐纯度标准物质	Purity of Octopamine Hydrochloride	20mg	96.5%, $U=0.7\%$
NIM-RM3761	酪胺盐酸盐纯度标准物质	Purity of Tyramine Hydrochloride	20mg	99.6%, $U=0.5\%$
NIM-RM3762	亚精胺盐酸盐纯度标准物质	Purity of Spermidine Trihydrochloride	20mg	99.3%, $U=0.5\%$
NIM-RM3763	精胺盐酸盐纯度标准物质	Purity of Spermine Tetrahydrochloride	20mg	99.2%, $U=0.5\%$
GBW(E)100369	苹果醋中安赛蜜、山梨酸和日落黄成分分析标准物质	Acesulfame Potassium, Sorbic Acid and Sunset Yellow in Apple Vinegar Beverage	35mL	安赛蜜 Acesulfame Potassium 141mg/kg, $U=8\text{mg/kg}$;山梨酸 Sorbic Acid259mg/kg, $U=12\text{mg/kg}$;日落黄 Sunset Yellow8.45mg/kg, $U=0.33\text{mg/kg}$
GBW(E)100370	苹果醋中安赛蜜、山梨酸和日落黄成分分析标准物质	Acesulfame Potassium, Sorbic Acid and Sunset Yellow in Apple Vinegar	35mL	安赛蜜 Acesulfame Potassium 177mg/kg, $U=10\text{mg/kg}$;山梨酸 Sorbic Acid154mg/kg, $U=16\text{mg/kg}$;日落黄 Sunset

		Beverage		Yellow3.21mg/kg,U=0.14mg/kg
GBW10110	橙汁中苯甲酸、安赛蜜、糖精钠成分分析标准物质	Benzoic Acid, Acesulfame Potassium and Saccharin Sodium in Orange Juice	35mL	苯甲酸 Benzoic Acid: (4.8±0.4) mg/Kg; 安赛蜜 Acesulfame Potassium: (9.6±0.6) mg/Kg; 糖精钠 Saccharin Sodium: (11.0±0.8) mg/Kg
GBW10111	橙汁中苯甲酸、安赛蜜、糖精钠成分分析标准物质	Benzoic Acid, Acesulfame Potassium and Saccharin Sodium in Orange Juice	35mL	苯甲酸 Benzoic Acid: (95.5±2.9) mg/Kg; 安赛蜜 Acesulfame Potassium: (95.1±2.3) mg/Kg; 糖精钠 Saccharin Sodium: (83.4±3.3) mg/Kg
GBW10119	粉条粉丝中铝成分分析标准物质	Al in Vermicelli	4×10g	质量分数(mass fraction) (×10 ⁻⁶):27.1,U=1.3
GBW10120	粉条粉丝中铝成分分析标准物质	Al in Vermicelli		质量分数(mass fraction) (×10 ⁻⁶):32.1,U=1.2
GBW10121	粉条粉丝中铝成分分析标准物质	Al in Vermicelli		质量分数(mass fraction) (×10 ⁻⁶):63.8,U=2.1
GBW10122	粉条粉丝中铝成分分析标准物质	Al in Vermicelli		质量分数(mass fraction) (×10 ⁻⁶):70.1,U=2.0
GBW10123	明胶产品中铬成分分析标准物质	Cr in Gelatin	3×10g	质量分数(mass fraction) (×10 ⁻⁶):0.315,U=0.019
GBW10124	明胶产品中铬成分分析标准物质	Cr in Gelatin		质量分数(mass fraction)(×10 ⁻⁶):2.39,U=0.11
GBW10125	明胶产品中铬成分分析标准物质	Cr in Gelatin		质量分数(mass fraction) (×10 ⁻⁶):10.2,U=0.4
GBW10140	转基因玉米双抗 12-5 基因组 DNA 标准物质	Certified Reference Materials for Genetically Modified Maize SK12-5 Genomic DNA		转基因和内标基因比值:1.00,U= 0.06; 拷贝数浓度 (copies/μL):4.34×10 ⁴ ,U= 0.23×10 ⁴
GBW10133	2,3,5-三甲基吡嗪纯度标准物质	Purity of 2,3,5-Trimethylpyrazine	1mL	99.7%, U= 0.5%
GBW10134	正己烷中邻苯二甲酸二丁酯	Phthalic acid, bis-butyl ester in Hexane	2mL	500μg/mL, U _{rel} =3%
GBW10135	猪肉粉中克伦特罗成分分析标准物质	Clenbuterol in Pork Powder	2.5g	3.59μg/kg,U= 0.34μg/kg
GBW10136	猪肉粉中克伦特罗成分分析标准物质	Clenbuterol in Pork Powder	2.0g	0.65μg/kg,U= 0.09μg/kg
GBW10137	鱼肉粉中氯霉素成分分析标准物质	Chloramphenicol in Fish Powder	3.0g	0.59μg/kg,U= 0.07μg/kg
GBW10139	双氰胺纯度标准物质	Purity of Dicyanodiamide	100mg	99.8%,U _{rel} = 0.3%
★NIM-RM3770	全氟丁基磺酸钾甲醇溶液标准物质	Potassium perfluorobutyl sulfonate in methanol	1.2 mL/支	50.70 μg/mL, U=4% (k=2)
★NIM-RM3774	黄曲霉毒素 B1 乙腈溶液	Aflatoxin B1 in Acetonitrile	4 mL/支	5 μg/mL, U=2% (k=2)

★NIM-RM3775	黄曲霉毒素 B1 乙腈溶液	Aflatoxin B1 in Acetonitrile	4 mL/ 支	100 μg/mL, U=2% (k=2)
★NIM-RM3776	黄曲霉毒素 B1、B2、G1、G2 乙腈溶液	Aflatoxin B1, B2, G1, G2 in Acetonitrile	4 mL/ 支	100 ng/mL, U=5% (k=2)
★GBW10157	玉米赤霉烯酮纯度标准物质	Purity of Zearalenone	5 mg/ 瓶	99.5%, U=0.4% (k=2)
★GBW10160	玉米赤霉烯酮乙腈溶液标准物质	Zearalenone in Acetonitrile	2mL/ 支	11.0 μg/mL, U=2% (k=2)
★GBW10161	玉米赤霉烯酮乙腈溶液标准物质	Zearalenone in Acetonitrile	4 mL/ 支	1.10 μg/mL, U=3% (k=2)
★NIM-RM3843、3844、3845、3846	乙醇中食用合成色素苋菜红溶液标准物质	Food Dyestuff-amaranth in ethanol	1mL/ 瓶, 每套 4 瓶	10.0 μg/mL; 20.0 μg/mL; 30.0 μg/mL; 40.0 μg/mL, U=3%

食品包装残留有害物质/Residual Contaminants in Food Packaging Materials

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)100137	甲醇中苯系物溶液标准物质 (包装材料检测用, 高标)	Three benzene series in methanol	2mL	toluene: 1.330mg/mL, U=3%; ethyl benzene: 1.400mg/mL, U=3%; phenethylene: 1.430mg/mL, U=3%
GBW(E)100138	甲醇中苯系物溶液标准物质 (包装材料检测用, 低标)	Three benzene series in Methanol	2mL	toluene: 0.029mg/mL, U=5%; ethyl benzene: 0.028mg/mL, U=5%; phenethylen: 0.027mg/mL, U=5%
GBW(E)081871~081876	食品包装材料检测用重金属系列混合溶液标准物质 (含空白)	Multi-elemental solution for analyzing of food packaging materials	7×70 mL	Pb: (0.1-10) mg/L, U=1%-2%; As: (0.02-2) mg/L, U=1%-4%; Cd: (0.01-4) mg/L, U=1%-3%; Sb: (0.02-2) mg/L, U=1%-6%; Ni: (0.5-5) mg/L, U=1%-2%; Cr: (0.01-2) mg/L, U=1%-9%
GBW(E)081877~081879	食品包装材料检测用锌溶液系列标准物质	Zinc in 4%HAC for analyzing of food packaging Materials	4×70 mL	(1-3) mg/L, U=1%-2%

食品中微生物/Food microbiology

编号/Number	中文名称	Name	规格/Units	特性量/Properties
NIM-RM4020-1	奶粉中大肠杆菌标准物质	Escherichia Coli in Milk Powder	0.5g×10	5.4×10 ² CFU/g, U=0.9×10 ² CFU/g
NIM-RM4020-2	奶粉中大肠杆菌标准物质	Escherichia Coli in Milk Powder	0.5g×10	7.3×10 ³ CFU/g, U=1.2×10 ³ CFU/g
NIM-RM4021-1	淀粉中金黄色葡萄球菌标准物质	Staphylococcus aureus in Starch Powder	0.5g×10	8.4×10 ² CFU/g, U=1.6×10 ² CFU/g
NIM-RM4021-2	淀粉中金黄色葡萄球菌标准物质	Staphylococcus aureus in Starch Powder	0.5g×10	8.7×10 ³ CFU/g, U=1.5×10 ³ CFU/g

NIM-RM4021-3	淀粉中金黄色葡萄球菌 标准物质	Staphylococcus aureus in Starch Powder	0.5g×1 0	4.9×10 ⁴ CFU/g, U=0.9×10 ⁴ CFU/g
NIM-RM4022-1	奶粉中大肠菌群标准物 质	Coliforms in Milk Powder	0.5g×1 0	1.0×10 ³ CFU/g, U=0.2×10 ³ CFU/g
NIM-RM4023-1	奶粉中金黄色葡萄球菌 标准物质	Staphylococcus aureus in Milk Powder	0.5g×1 0	8.7×10 ² CFU/g, U=1.8×10 ² CFU/g
NIM-RM4033	大肠菌群定量标准物质	Coliforms in Material Spheres	0.5g×1 0	1.7×10 ³ MPN/L, U=0.7×10 ³ MPN/L

13.高纯物质与容量分析用溶液标准物质 /High Purity Materials and Standards for Volumetric Analysis

高纯物质

High Purity Materials

容量分析用溶液

Standard Solution for Volumetric Analysis

高纯物质/High Purity Materials

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW06101c	碳酸钠纯度标准物质	Sodium carbonate purity	50g	99.982%, $U=0.008\%$
GBW(E)060023d	碳酸钠纯度标准物质	Sodium carbonate purity	50g	99.95%, $U=0.02\%$
GBW(E)060025b	乙二胺四乙酸二钠纯度标准物质	Ethylenediamine tetra-acetic acid disodium salt purity (complexometric standard)	50g	99.97%, $U=0.03\%$
GBW06103b	氯化钠纯度标准物质	Sodium chloride purity(assay standard for chloride)	50g	99.987%, $U=0.008\%$
GBW(E)060024d	氯化钠纯度标准物质	Sodium chloride purity(assay standard for chloride)	50g	99.99%, $U=0.02\%$
GBW06109a	氯化钾纯度标准物质	Potassium chloride purity(assay standard for chloride)	50g	Calculated by Cl: 99.990%, $U=0.002\%$; Calculated by K: 99.97%, $U=0.04\%$
GBW(E)060020a	氯化钾纯度标准物质	Potassium chloride purity(assay standard for chloride)	50g	99.98%, $U=0.02\%$
GBW06106b	邻苯二甲酸氢钾纯度标准物质	Potassium hydrogen phthalate purity	50g	100.00%, $U=0.01\%$
GBW(E)060019g	邻苯二甲酸氢钾纯度标准物质	Potassium hydrogen phthalate purity	40g	100.00%, $U=0.02\%$
GBW(E)060080a	碳酸钙纯度标准物质	Calcium carbonate purity	50g	99.96%, $U=0.04\%$
GBW06107b	草酸钠纯度标准物质	Sodium oxalate purity(reductometric standard)	50g	99.98%, $U=0.02\%$
GBW(E)060021e	草酸钠纯度标准物质	Sodium oxalate purity(reductometric standard)	50g	99.98%, $U=0.03\%$
GBW06108a	氧化锌纯度(络合量)标准物质	Zinc oxide purity(complexometric value)	50g	99.97%, $U=0.04\%$
GBW06110b	碘酸钾(氧化量)纯度标准物质	Potassium iodate purity(oxidimetric value)	50g	99.96%, $U=0.02\%$
GBW06105c	重铬酸钾纯度标准物质	Potassium dichromate purity(oxidimetric value)	50g	99.988%, $U=0.008\%$
GBW(E)060018e	重铬酸钾纯度标准物质	Potassium dichromate purity(oxidimetric value)	50g	100.00%, $U=0.02\%$
GBW06111	甲醇纯度标准物质	Purity of methanol	2mL	99.7%, $U=0.3\%$
GBW06112	乙醇纯度标准物质	Purity of ethanol	2mL	99.8%, $U=0.3\%$
GBW06113	乙腈纯度标准物质	Purity of acetonitrile	2mL	99.8%, $U=0.3\%$
GBW06114	乙酸乙酯纯度标准物质	Purity of ethylacetate	2mL	99.7%, $U=0.4\%$
GBW06115	丙酮纯度标准物质	Purity of acetone	2mL	99.2%, $U=0.4\%$

GBW06116	正己烷纯度标准物质	Purity of hexane	2mL	98.2%, $U=0.4\%$
GBW(E)060239	乙酰苯胺元素分析标准物质	Acetanilide standard for elemental analysis	2g	C, H, N
GBW06117	基准苯甲酸纯度(酸量)标准物质	Primary Standard Benzoic Acid Standard Reference Material (Purity Standard for Acid)	20g	99.993%, $U=0.009\%$
GBW06118	基准三羟甲基氨基甲烷纯度(碱量)标准物质	Primary Standard Tris (hydroxymethyl) aminomethane($\text{HOCH}_2\text{CNH}_2$) Standard Reference Material (Purity Standard for Alkalimetric)	20g	99.89%, $U=0.02\%$

容量分析用溶液/Standard Solution for Volumetric Analysis

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)080969	碳酸钠容量分析用溶液标准物质	Sodium carbonate for volumetric analysis	90mL	0.1000mol/L($1/2\text{Na}_2\text{CO}_3$), $U=0.0003\text{mol/L}$
GBW(E)080457	硫代硫酸钠容量分析用溶液标准物质	Sodium hyposulfite for volumetric analysis	20mL	0.1000mol/L($1/2\text{Na}_2\text{S}_2\text{O}_3$), $U=0.0002\text{mol/L}$
GBW(E)080458	高锰酸钾容量分析用溶液标准物质	Potassium permanganate for volumetric analysis	20mL	0.1011mol/L, $U=0.0002\text{mol/L}$
GBW(E)080459	乙二胺四乙酸二钠容量分析用溶液标准物质	Ethylenediamine tetra-acetic acid disodium salt for volumetric analysis	20mL	0.05000mol/L, $U=0.00005\text{mol/L}$
GBW(E)080460	氯化锌容量分析用溶液标准物质	Zinc oxide for volumetric analysis	20mL	0.1000mol/L, $U=0.0002\text{mol/L}$
GBW(E)080461	氯化钠容量分析用溶液标准物质	Sodium chloride for volumetric analysis	20mL	0.1000mol/L, $U=0.0002\text{mol/L}$
GBW(E)080462	硝酸银容量分析用溶液标准物质	Silver nitrate for volumetric analysis	20mL	0.1006mol/L, $U=0.0002\text{mol/L}$
GBW(E)080463	盐酸容量分析用溶液标准物质	Hydrochloric acid for volumetric analysis	20mL	0.1017mol/L, $U=0.0001\text{mol/L}$
GBW(E)080683	碘容量分析用溶液标准物质	Iodine for volumetric analysis	20mL	0.0496mol/L($1/2\text{I}_2$), $U=0.0002\text{mol/L}$
★GBW(E)083384	氢氧化钠容量分析用溶液标准物质	Sodium Hydroxide Solution for Volumetric Analysis Certified Reference Materials	90mL	$C(\text{NaOH})=0.1010\pm0.0002\text{mol/L}$
★GBW(E)083385	草酸钠容量分析用溶液标准物质	Sodium Oxalate Solution for Volumetric Analysis Certified Reference Materials	20mL	$C(1/2\text{Na}_2\text{C}_2\text{O}_4)=0.1000\pm0.0002\text{mol/L}$

14. 仪器检定 / 校准用标准物质 / Standards for Verification and Calibration of Analytical Instruments

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)130079	原子吸收分光光度计检定用标准物质(Cd)	Cd series standard solutions for the verification of graphite furnace atomic absorption spectrophotometry	5×90mL	(0.5-5.00)ng/mL, $U=2\%$
GBW(E)130079	原子吸收分光光度计检定用标准物质(Cu)	Cu series standard solutions for the verification of flame atomic absorption spectrophotometry	8×90mL	(0.50-5.00)μg/mL, $U=1\%$
GBW(E)130109	火焰光度计用标准物质	Series K and Na standard solutions for flame photometer	9×90mL	K: 0.004mmol/L-0.200mmol/L, Na: 0.004mmol/L-1.00mmol/L, $U=1\%$
GBW(E)130242	ICP-MS 仪器校准用溶液标准物质(Be、In、Bi)	Series Be, In, Bi standard solutions for ICP/MS verification	50mL	Be: (10.0±0.6)μg/L; In: (10.0±0.6)μg/L; Bi: (10.0±0.6)μg/L
GBW(E)130243	ICP-MS 仪器校准用溶液标准物质(Cs)	Cs standard solution for ICP/MS verification	50mL	Cs: (10.0±0.6)μg/L
GBW(E)130244	ICP-MS 仪器校准用溶液标准物质(Cs)	Cs standard solution for ICP/MS verification	50mL	Cs: (20.0±0.6)mg/L
GBW(E)130286-130289	ICP 光谱仪检定用标准溶液	Series standard solutions for the verification of ICP-OES	5×40mL	Cr、Ni、Zn: 1.00、2.00、5.00mg/L, $U=2\%$; Cu、Mn、Ba: 0.50、1.00、2.50mg/L, $U=2\%$; Se、Li、Na、K、Mn、Cu、Ba、Zn(for wavelength calibration): 0-50mg/L, $U=2\%$
GBW(E)130066	紫外分光光度计用标准物质	Transmittance for UV Spectrophotometry(20℃)	20mL	235nm: (18.1±0.2)%; 257nm: (13.7±0.2)%; 313nm: (51.3±0.2)%; 350nm: (22.3±0.2)%
GBW(E)130110	介质膜干涉滤光片标准物质	Medium membrane interference filter	set(1)	450, 550, 650nm, $U=1\text{nm}$
GBW(E)130111	镨钕片标准物质	Praseodymium-Neodymium wavelength filter	1 piece	400~810nm, $U=0.2\text{nm}$
GBW(E)130112	氧化钬滤光片标准物质	Holmium oxide optical filter	set(1)	240~640, $U=0.2\text{nm}$
GBW(E)130113	可见光区透射比滤光片标准物质(光谱中性滤光片)	Visible light transmission filter(Neutral density transmittance filter)	set(1)	10%, 20%, 30%, $U=0.2\%$ 透射比(transmittance)
GBW(E)130114	杂散光滤光片标准物质	Stray light optical filter	set(1)	220, 360, 380, 420nm, $U=10\%(A)$
GBW(E)130225-226	酶标分析仪检定用滤光片标准物质(干涉滤光片)	Standard interference filter for the verification of Microplate Reader	set(2)	峰值波长(peak wavelength); 透射比(transmittance)
GBW(E)082084	化学需氧量(CODCr)测定仪检定用标准溶液	Standard Solution for Chemical Oxygen Demand (CODCr) Meters	20mL	50.1mg/L, $U=2\%$
GBW(E)082085	化学需氧量(CODCr)测定	Standard Solution for	20mL	99.7mg/L, $U=1.2\%$

	仪检定用标准溶液	Chemical Oxygen Demand (COD _{Cr}) Meters		
GBW(E)082086	化学需氧量 (COD _{Cr}) 测定 仪检定用标准溶液	Standard Solution for Chemical Oxygen Demand (COD _{Cr}) Meters	20mL	300mg/L, U=0.7%
GBW(E)082087	化学需氧量 (COD _{Cr}) 测定 仪检定用标准溶液	Standard Solution for Chemical Oxygen Demand (COD _{Cr}) Meters	20mL	997.7mg/L, U=0.6%
GBW(E)130100	硫酸奎宁荧光标准物质	Quinine-sulfate for fluorescence measurement	0.5g	98.6% , U=0.5%
NIM-RM2025-2	生化分析仪检定用溶液标 准物质(杂散光)	Reference material for the verification of biochemistry analyzer (stray light)	1 set	/
GBW(E)130101	气相色谱仪检定用标准物 质(苯-甲苯溶液,TCD 检测 器用)	Benzene in methylbenzene for GC verification	2mL	(5.00×10 ⁻³ -5.00×10 ⁵)µg/mL, U=3%
GBW(E)130102	气相色谱仪检定用标准物 质(正十六烷-异辛烷溶液)	N-hexadecane/isooctane standard solution for GC verification	2mL	(1.00×10 ⁻² -1.00×10 ⁴)µg/mL, U=3%
GBW(E)130103	气相色谱仪检定用标准物 质(甲基对硫磷-无水乙醇溶 液)	Methyl Parathion /ethanol standard solution for GC verification	2mL	(1.00×10 ⁻¹ -1.00×10 ³)µg/mL, U=3%
GBW(E)130104	气相色谱仪检定用标准物 质(丙体六六六-异辛 烷,(ECD 检测器用))	γ-666 in isooctane for GC verification	2mL	(0.100-1.00)µg/mL, U=3%
NIM-RM3512	GC 测试用标准溶液(FID 检 测器用)	Standard solution for performance testing of GC-FID	1mL	正十四烷(n-Tetradecane): 300ng/µl; 正十五烷 (n-pentadecane): 300ng/µl; 正十六 烷(n-hexadecane): 300ng/µl; U=3%
NIM-RM3513	GC 测试用标准溶液(ECD 检 测器用)	Standard solution for performance testing of GC-ECD	1mL	丙体六六六(γ-666): 33.0pg/µl; 艾试 剂(aldrin): 33.0pg/µl; U=3%
NIM-RM3514	GC 测试用标准溶液(TCD 检 测器用)	Standard solution for performance testing of GC-TCD	1mL	正十四烷(n-Tetradecane): 3.00mg/ml; 正十五烷 (n-pentadecane): 3.00µg/µl; 正十六 烷(n-hexadecane): 3.00ug/µl, U=3%
NIM-RM3515	GC 测试用标准溶液(FPD 检 测器用)	Calibration standard Standard solution for performance testing of GC-FPD	1mL	正十二烷硫醇(1-Dodecanethiol): 21.5ng/µl; 磷酸三丁酯(tributyl phosphate): 20.0ng/µl; 甲基对硫磷 (Parathion-methyl): 20.0ng/µl; 正 十五烷(n-pentadecane): 4000 ng/µl, U=3%
GBW(E)130245	气相色谱-质谱联用仪校准 用标准物质(异辛烷中八氟 萘)	Octafluoronaphthalene in isooctane for GC/MS verification	1mL	100pg/µl, U=3%

GBW(E)130246	气相色谱-质谱联用仪校准用标准物质(异辛烷中六氯苯)	Hexachlorobenzene in isooctane for GC/MS verification	1mL	10.0ng/μl, U=3%
GBW(E)130247	气相色谱-质谱联用仪校准用标准物质(异辛烷中二苯甲酮)	Benzophenone in isooctane for GC/MS verification	1mL	10.0ng/μl, U=3%
NIM-RM3635	利血平溶液标准物质(液相色谱质谱联用仪器校准用)	Reserpine in Isopropanol-water	1mL	1.00mg/L, U=5%
GBW(E)060122	正十六烷标准物质	n-hexadecane	0.5mL	99.4%, U=0.2%
NIM-RM5069	异辛烷中硬脂酸甲酯标准物质	Methyl octadecanoate in isooctane	1mL	10.0ng/μl, U=3%
GBW(E)130167	液相色谱仪检定用溶液标准物质(萘-甲醇溶液)	Naphthalene in methanol for HPLC verification	5mL	1.00×10 ⁻⁴ g/mL, U=4%
GBW(E)130168	液相色谱仪检定用溶液标准物质(萘-甲醇溶液)	Naphthalene in methanol for HPLC verification	5mL	1.00×10 ⁻⁷ g/mL, U=4%
GBW(E)130169	液相色谱仪检定用溶液标准物质(硫酸奎宁-高氯酸溶液)	Quinine in sulfate/perchloric acid solution for HPLC verification	5mL	1.00×10 ⁻⁶ g/mL, U=3%
GBW(E)130170	液相色谱仪检定用溶液标准物质(硫酸奎宁-高氯酸溶液)	Quinine in sulfate/perchloric acid solution for HPLC verification	5mL	1.00×10 ⁻⁹ g/mL, U=3%
GBW(E)130405	甲醇中胆固醇溶液标准物质	Cholesterol in methanol	1.5mL	200 μg/mL, U=2.0%
GBW(E)130406	甲醇中胆固醇溶液标准物质	Cholesterol in methanol	1.5mL	5.0 μg/mL, U=5.0%
GBW(E)082064	异辛烷中偶氮苯、马拉硫磷混合溶液	Azobenzene, malathion mixture in isooctane	2mL	马拉硫磷(malathion): 10.1ng/μL, U=3%; 偶氮苯(azobenzene): 8.68ng/μL, U=3%
GBW(E)130171	红外油份仪用溶液标准物质	Standard solution for infrared oil meter	5mL	1000mg/L, U=3%
NIM-RM5025	蔗糖溶液标准物质	Sucrose in water	3×2mL	10%; 30%; 50%, U=0.2%
NIM-RM5022	水中丙三醇溶液标准物质	Glycerol in water	2mL	1mg/L, U=5%
NIM-RM5022-1	水中丙三醇溶液标准物质	Glycerol in water	2mL	0.1mg/L, U=5%
GBW13306-11	烟度卡	Standard smokemetric tablet	6 pieces	(1.0, 2.5, 3.5, 5.0, 7.0, 9.0) smokemetric unit, U=0.2 smokemetric unit
GBW13308-10	烟度卡	Standard smokemetric tablet	3 pieces	(3.0, 5.0, 7.0) smokemetric unit, U=0.2 smokemetric unit
NIM-RM2027	尿液分析仪校准用溶液标准物质	Reference material for the calibration of urine analyzer	3×2mL	pH: 5.5, 6.5, 7.5, U=4%; 尿蛋白(urine protein): 0 g/L, 0.2 g/L, 2.0 g/L, U=4%; 尿糖(glucose in urine): 0 mmol/L, 2.7 mmol/L, 42 mmol/L, U=2%

NIM-RM2027-2	尿液分析仪校准用溶液标准物质	Reference Material for the Verification of Urine Analyzer	2×2mL	RBC: 147 个/μL, U=8%; WBC: 209 个/μL, U=6.1% RBC: 15 个/μL, U=9.4%; WBC: 40 个/μL, U=5.5%
GBW(E)130537	原子荧光光度计用砷、锑混合溶液标准物质	Mixed Solution of Arsenic and Antimony for Atomic Fluorescence Spectrometer	100mL×6	As: 1.00ng/mL,Sb: 1.00ng/mL,U _{rel} =3%
GBW(E)130538	原子荧光光度计用砷、锑混合溶液标准物质	Mixed Solution of Arsenic and Antimony for Atomic Fluorescence Spectrometer		As: 5.00ng/mL,Sb: 5.00ng/mL,U _{rel} =3%
GBW(E)130539	原子荧光光度计用砷、锑混合溶液标准物质	Mixed Solution of Arsenic and Antimony for Atomic Fluorescence Spectrometer		As: 10.0ng/mL,Sb: 10.0ng/mL,U _{rel} =3%
GBW(E)130540	原子荧光光度计用砷、锑混合溶液标准物质	Mixed Solution of Arsenic and Antimony for Atomic Fluorescence Spectrometer		As: 20.0ng/mL,Sb: 20.0ng/mL,U _{rel} =3%
NIM-RM2086	质谱仪校准用碘化钠碘化铯溶液标准物质	Reference Material for the Calibration of of Mass Spectrometer	2mL	/
NIM-RM2087	质谱仪校准用[Glu1]-人纤维蛋白肽 B 标准物质	[Glu1]-Fibrinopeptide B for the Calibration of of Mass Spectrometer	20μg	/
GBW(E)130629	生化分析仪检定用吸光度溶液标准物质	Reference Material of Absorbance for the Verification of Biochemical Analyzer	10mL/瓶 ×2	A ₁ =0.496,U=0.002Abs
GBW(E)130630	生化分析仪检定用吸光度溶液标准物质	Reference Material of Absorbance for the Verification of Biochemical Analyzer		A ₂ =0.993,U=0.002Abs
GBW(E)130631	氯化钴溶液标准物质	Cobalt Chloride Solution	80mL/瓶 ×7	2.00 g/L,U=1.6%
GBW(E)130632	氯化钴溶液标准物质	Cobalt Chloride Solution		3.99 g/L,U=1.6%
GBW(E)130633	氯化钴溶液标准物质	Cobalt Chloride Solution		6.00 g/L,U=1.6%
GBW(E)130634	氯化钴溶液标准物质	Cobalt Chloride Solution		7.99 g/L,U=1.6%
GBW(E)130635	氯化钴溶液标准物质	Cobalt Chloride Solution		9.98 g/L,U=1.6%
★NIM-RM2706	气质校准用三组份混合溶液标准物质	Three-components solution CRM for GCMS calibration	1mL	八氟萘 3.00μg/ml ,U=3%; 六氯苯 3.00μg/ml,U= 3%; 硬脂酸甲酯 3.00μg/,U=ml 3%

★GBW(E)082204	砷形态混合溶液标准物质	Mixed Solution of Arsenic Species	5mL	砷酸根 1.00 μg/g, U= 5%; 一甲基砷 1.03 μg/g, U= 5%; 二甲基砷 1.03 μg/g,U= 5%; 砷甜菜碱 0.995 μg/g,U= 5%
★GBW(E)130120	介质膜干涉滤光片标准物质	Multilayer Thin Film Interference Filter Wavelength Reference Material for Spectrophotometer	4 片/套	外形尺寸: 12.7×12.7×57(mm), 标称波长: 450nm、550nm、650nm、750 nm, 峰值透射比大于 25%, 半宽度<15nm 峰值波长不确定度: 1.0nm
★GBW(E)130121	镨钕滤光片标准物质	Praseodymium-Neodymium Filter Wavelength Reference Material for Spectrophotometer	1 片/套	外形尺寸: 12.7×12.7×57(mm), 波长范围: 400-900nm, 波长不确定度: 0.3nm
★GBW(E)130122	氧化钬滤光片标准物质	Holmium Oxide Filter Wavelength Reference Material for Spectrophotometer	1 片/套	外形尺寸: 12.7×12.7×57(mm), 波长范围: 200-700nm, 波长不确定度: 0.3nm
★GBW(E)130123	可见光区透射比滤光片标准物质	Transmittance Filter Reference Material for Spectrophotometer in the Visible Spectral Region	3 片/套	外形尺寸: 12.7×12.7×57(mm), 透射比标称值: 10%、20%、30%, 定值波长: 440.0nm、546.0nm、635.0nm, 透射比不确定度: 0.2%
★GBW(E)130124	杂散光滤光片标准物质	Stray Light Filter Reference Material for Spectrophotometer	3 片/套	外形尺寸: 12.7×12.7×57(mm), 截止区吸光度大于 3Abs, 透光区透射比大于 80%测试波长: 220nm、360nm、420nm
★GBW(E)130234	酶标分析仪标准物质(吸光度)	Absorbance Reference Material for ELISA Analytical Instrument	4 片/套	标称吸光度值: 0.2、0.5、1.0、1.5 定值波长: 405.0nm、450.0nm、492.0nm、540.0nm、620.0nm 吸光度不确定度: 0.005
★GBW(E)130314	紫外可见光区透射比标准物质	Transmittance Filter Reference Material for Spectrophotometer in the Ultraviolet and Visible Spectral Regions	3 片/套	外形尺寸: 12.7×12.7×57(mm), 透射比标称值: 10%、20%、30%, 定值波长: 235.0nm、257.0nm、313.0nm、350.0nm、440.0nm、546.0nm、635.0nm, 透射比不确定度: 0.3%
★GBW(E)130317	透射式烟度计标准物质	Reference Material for Opacimeter	5 片/套	外形尺寸: 12.7×12.7×57(mm), 标称透射比: 34%、50%、58%、71%、84%, 透射比相对不确定度: 0.5%
★GBW(E)130446	近红外波长标准物质	Wavelength Reference Material for Spectrophotometer in the Near Infrared Spectral Region	5 片/套	外形尺寸: 12.7×12.7×57(mm), 波长范围: 900nm~2500nm, 峰值透射比大于 30%, 半宽度<15nm, 峰值波长不确定度: 1.0nm
★GBW(E)130519	有机玻璃 PMMA 氧指数标准物质	Oxygen index standard reference material of PMMA	3 条/套	18.4% 2%

★GBW(E)130520	酶标分析仪标准物质（灵敏度）	Sensitivity Filter Reference Material for ELISA Analytical Instrument	1 片/套	吸光度标称值：0.03，定值波长：450.0nm，吸光度不确定度：0.005
★GBW(E)130521	酶标分析仪标准物质（波长）	Wavelength Reference Material for ELISA Analytical Instrument	4 片/套	外形尺寸：127×85×10（mm）标称波长：405nm、450nm、492nm、620nm 峰值透射比大于 40%，半宽度<8.0nm 峰值波长不确定度：1.0nm
★GBW(E)130566	软质 PVC 膜氧指数标准物质	Oxygen index standard reference material of PVC film	15 片/套	23.4% 3%
★GBW(E)130567	硬质 PVC 条氧指数标准物质	Oxygen index standard reference material of PVC stick	10 条/套	43.6% 4%
★GBW(E)130568	农药残留快速检测仪透射比标准物质	Transmission Standard for Rapid Pesticide Residue Tester	3 片/套	外形尺寸：12.7×12.7×57(mm)，定值波长 410.0nm，标称透射比：10%、20%、30%，不确定度：0.2%（k=3）
★GBW(E)130569	镨钕滤光片标准物质	Praseodymium-erbium Filter Wavelength Standard for Spectrophotometer	1 片/套	外形尺寸：12.7×12.7×57(mm)，波长范围：350-700nm，波长不确定度：0.3nm
★NIM-RM5305	ICP-MS 用 8 种元素混合溶液标准物质	Multi-elementals Solution for ICP-MS Analysis	50 mL	（10.0±0.6）μg/g（每种元素）
★NIM-RM2088	红外分光光度法油类污染标准物质	RM for Oil Concentration by Infrared Spectrophotometry	5ml/瓶	油类污染物质量浓度 997 mg/L，U=22 mg/L
★NIM-RM2089	四氯乙烯中正十六烷标准溶液	RM for n-Hexadecane in Tetrachloroethylene	5ml/瓶	正十六烷质量浓度 996mg/L，U=26 mg/L
★NIM-RM2090	四氯乙烯中异辛烷标准溶液	RM for Isooctane in Tetrachloroethylene	5ml/瓶	异辛烷质量浓度 1000mg/L，U=16 mg/L
★NIM-RM2091	四氯乙烯中苯标准溶液	RM for Benzene in Tetrachloroethylene	5ml/瓶	苯质量浓度 999mg/L，U=29 mg/L

15.无机溶液标准物质/Inorganic Solutions

金属元素

Metals

非金属元素及其它

Nonmetals and Others

形态/价态分析

Speciation

生化及化学耗氧量

BOD and COD

稀土元素

Rare Earth Elements

金属元素/Metals

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW08601	水中铅成份分析标准物质	Lead in water(0.5mol/L nitric acid)	80mL	(1.00±0.02)µg/g
GBW08619	水中铅成份分析标准物质	Lead in water(1% nitric acid)	20mL	(1000±2)µg/mL
GBW(E)080129	水中铅成分分析标准物质	Lead in water(1% nitric acid)	20mL	100 µg/mL , U=0.8%
GBW08602	水中镉成份分析标准物质	Cadmium in water(0.5mol/L nitric acid)	80mL	(0.100±0.002)µg/g
GBW08612	水中镉成份分析标准物质	Cadmium in water(1% nitric acid)	20mL	(1000±2)µg/mL
GBW(E)080119	水中镉成分分析标准物质	Cadmium in water(1% nitric acid)	20mL	100 µg/mL , U=0.8%
GBW08603	水中汞成份分析标准物质	Mercury in water(0.4mol/L hydrochloric acid)	20mL	(10.0±0.4)ng/g
GBW08617	水中汞成份分析标准物质	Mercury in water(3% nitric acid)	20mL	(1000±1)µg/mL
GBW(E)080124	水中汞成分分析标准物质	Mercury in water(3% nitric acid)	20mL	100 µg/mL , U=0.8%
GBW08610	水中银成份分析标准物质	Silver in water(1% nitric acid)	20mL	(1000±1)µg/mL
GBW(E)080116	水中银成分分析标准物质	Silver in water(1% nitric acid)	20mL	100 µg/mL , U=0.8%
GBW08613	水中钴成份分析标准物质	Cobalt in water(1% nitric acid)	20mL	(1000±1)µg/mL
GBW(E)080120	水中钴成分分析标准物质	Cobalt in water(1% nitric acid)	20mL	100 µg/mL , U=0.8%
GBW08614	水中铬成份分析标准物质	Chromium in water(5% hydrochloric acid)	20mL	(1000±1)µg/mL
GBW08615	水中铜成份分析标准物质	Copper in water(1% nitric acid)	20mL	(1000±1)µg/mL
GBW(E)080122	水中铜成分分析标准物质	Copper in water(1% nitric acid)	20mL	100 µg/mL , U=0.8%
GBW08616	水中铁成份分析标准物质	Iron in water(5% hydrochloric acid)	20mL	(1000±2)µg/mL
GBW(E)080123	水中铁成分分析标准物质	Iron in water(5% hydrochloric acid)	20mL	100 µg/mL , U=0.8%
GBW08618	水中镍成份分析标准物质	Nickel in water(1% nitric acid)	20mL	(1000±1)µg/mL
GBW(E)080128	水中镍成分分析标准物质	Nickel in water(1% nitric acid)	20mL	100 µg/mL , U=0.8%

	质	acid)		
GBW08620	水中锌成份分析标准物质	Zinc in water(1% nitric acid)	20mL	(1000±1)μg/mL
GBW(E)080130	水中锌成分分析标准物质	Zinc in water(1% nitric acid)	20mL	100 μg/mL , U=0.8%
GBW08650	金溶液成分分析标准物质	Gold aqueous solution	20mL	(100.0±0.4)μg/g
GBW08664	钡溶液成分分析标准物质	Barium aqueous solution (0.06mol/L hydrochloric acid)	20mL	19.298mg/g, U=0.08%; 19.953mg/L, U=0.08%
GBW(E)080243	水中钡成份分析标准物质	Barium in water(5% hydrochloric acid)	80mL	100 μg/mL, U=1%
GBW(E)080118	水中钙成分分析标准物质	Calcium in water(5% hydrochloric acid)	80mL	1000 μg/mL, U=0.5%
GBW(E)080261	水中钙成份分析标准物质	Calcium in water(5% hydrochloric acid)	80mL	100 μg/mL, U=1%
GBW(E)080125	水中钾成分分析标准物质	Potassium in water(1% hydrochloric acid)	80mL	1000 μg/mL, U=0.5%
GBW(E)080259	水中钾成份分析标准物质	Potassium in water(1% hydrochloric acid)	80mL	100 μg/mL, U=1%
GBW(E)080126	水中镁成分分析标准物质	Magnesium in water(5% hydrochloric acid)	80mL	1000 μg/mL, U=0.5%
GBW(E)080262	水中镁成份分析标准物质	Magnesium in water(5% hydrochloric acid)	80mL	100 μg/mL, U=1%
GBW(E)080127	水中钠成分分析标准物质	Sodium in water(1% hydrochloric acid)	80mL	1000 μg/mL, U=0.5%
GBW(E)080260	水中钠成份分析标准物质	Sodium in water(1% hydrochloric acid)	80mL	100 μg/mL, U=1%
GBW(E)080157	水中锰成分分析标准物质	Manganese in water(1% nitric acid)	20mL	1000 μg/mL, U=0.5%
GBW(E)080263	水中锰成份分析标准物质	Manganese in water(1% nitric acid)	20mL	100 μg/mL, U=1%
GBW(E)080216	水中钒成分分析标准物质	Vanadium in water(1% hydrochloric acid)	80mL	100 μg/mL, U=1%
GBW(E)080218	水中钼成分分析标准物质	Molybdenum in water(1% hydrochloric acid)	80mL	100 μg/mL, U=1%
GBW(E)080219	水中铝成分分析标准物质	Aluminum in water(5% hydrochloric acid)	80mL	100 μg/mL, U=1%
GBW(E)080242	水中锶成份分析标准物质	Strontium in water(5% hydrochloric acid)	80mL	100 μg/mL, U=1%
GBW(E)080270	水中铟成分分析标准物质	Indium in water(1% hydrochloric acid)	20mL	100 μg/mL, U=1%
GBW(E)080271	水中铋成分分析标准物质	Bismuth in water(5% nitric acid)	80mL	100 μg/mL, U=1%
GBW(E)080545	水中锑成分分析标准物质	Antimony in water(10%	80mL	100 μg/mL, U=1%

	质	hydrochloric acid)		
GBW(E)080546	水中锡成分分析标准物质	Tin in water(20% hydrochloric acid)	80mL	101 µg/mL, U=1%
GBW(E)080547	水中锂成分分析标准物质	Lithium in water(10% hydrochloric acid)	80mL	100 µg/mL, U=1%
NIM-RM3142	钨单元素溶液标准物质	Tungsten in 0.05% NaOH	60mL	0.1g/L, U=2%
NIM-RM3154	铊单元素溶液标准物质	Thallium in 0.5% sulfuric acid	20mL	1000mg/L, U=1.5%
NIM-RM3177	铂单元素溶液标准物质	Platinum in 5% HCl	20mL	100mg/L, U=2%
NIM-RM3041	钛单元素溶液标准物质	Titanium in 0.05mol/L sulfuric acid and 0.2% potassium disulfate	80mL	100mg/L, U=2%
NIM-RM3151	镓单元素溶液标准物质	Gallium in 10% HCl	20mL	1000mg/L, U=1.5%
NIM-RM3032	铍单元素溶液标准物质	Beryllium in 2% HCl	80mL	10mg/L, U=3%
NIM-RM3144	铯单元素溶液标准物质	Cesium in 1% HCl	20mL	100mg/L, U=2%
GBW(E)080335a	水中钙镁成分分析标准物质	Ca and Mg in water	20mL	Ca, Mg, total rigidity
GBW(E)080336a	水中钙镁成分分析标准物质	Ca and Mg in water	20mL	Ca, Mg, total rigidity
GBW(E)080337a	水中钙镁成分分析标准物质	Ca and Mg in water	20mL	Ca, Mg, total rigidity
GBW(E)080112	水中无机盐成分分析标准物质	Mineral salts in water	3×20mL	K, Na, Ca, Mg, Cl ⁻ , SO ₄ ²⁻ , total rigidity, total alkalinity
GBW08607	水中镉、铬、铜、镍、铅、锌成分分析标准物质	Metal elements in water(0.5mol/L nitric acid)	20mL/80mL	Cd: (0.104±0.002)µg/g; Cr: (0.51±0.01)µg/g; Cu: (1.03±0.01)µg/g; Ni: (0.517±0.006)µg/g; Pb: (1.03±0.02)µg/g; Zn: (5.15±0.05)µg/g;
GBW08608	水中镉、铬、铜、镍、铅、锌成分分析标准物质	Metal elements in water(0.5mol/L nitric acid)	80mL	Cd: (10.4±0.4)ng/g; Cr: (31±2)ng/g; Cu: (49±2)ng/g; Ni: (61±3)ng/g; Pb: (49±2)ng/g; Zn: (89±4)ng/g;
GBW(E)080194	水中铜, 锌, 铅, 镉, 铁, 锰, 镍, 总铬成分分析标准物质	Cu, Zn, Pb, Cd, Fe, Mn, Ni, Cr in water	25mL	Cu, Zn, Pb, Cd, Fe, Mn, Ni, total Cr
GBW(E)080196	水中铜, 锌, 铅, 镉成分分析标准物质	Cu, Zn, Pb, Cd in water	25mL	Cu, Zn, Pb, Cd
GBW(E)081536	玩具检测用十种金属元素混合溶液标准物质	Multi-elemental Solution for Analyzing of Toys	50mL	Cu: 100µg/mL; Zn: 100µg/mL; Cd: 100µg/mL; Pb: 100µg/mL; Cr: 100µg/mL; Se: 100µg/mL; Sb: 100µg/mL; Ni: 100µg/mL; Ba: 110µg/mL; As: 100µg/mL, U=3%

NIM-RM3072	玩具检测用十种金属元素混合溶液标准物质	Multi-elemental Solution for Analyzing of Toys	50mL	Cu: 2.0µg/mL; Zn: 2.0µg/mL; Cd: 2.0µg/mL; Pb: 2.0µg/mL; Cr: 2.0µg/mL; Se: 2.0µg/mL; Sb: 2.0µg/mL; Ni: 2.0µg/mL; Ba: 2.0µg/mL; As: 2.0µg/mL, U=3%
GBW(E)081531	16 种无机元素混合溶液标准物质	Multi-elemental standard solution for 16 elements	50mL	Cd, Zn, Cu, Ni, Ba, Cr, Mn, Fe, Mg, As: 50µg/mL; Pb, Se, Al, Ca, K, Na: 100µg/mL; U=1%
GBW(E)081532	16 种无机元素混合溶液标准物质	Multi-elemental standard solution for 16 elements	5×50mL	Cd, Zn, Cu, Ni, Ba, Cr, Mn, Fe, As: 0.5µg/mL, U=2%; Mg: 0.5µg/mL, U=4%; Pb, Se, Al: 1.0µg/mL, U=2%; Ca, K: 1.0µg/mL, U=3%; Na: 1.0µg/mL, U=4%
GBW(E)081533	16 种无机元素混合溶液标准物质	Multi-elemental standard solution for 16 elements		Cd, Zn, Cu, Ni, Ba, Cr, Mn, Fe, Mg, As: 1.0µg/mL; Pb, Se, Al, Ca, K, Na: 2.0µg/mL; U=2%
GBW(E)081534	16 种无机元素混合溶液标准物质	Multi-elemental standard solution for 16 elements		Cd, Zn, Cu, Ni, Ba, Cr, Mn, Fe, Mg, As: 2.5µg/mL; Pb, Se, Al, Ca, K, Na: 5.0µg/mL; U=2%
GBW(E)081535	16 种无机元素混合溶液标准物质	Multi-elemental standard solution for 16 elements		Cd, Zn, Cu, Ni, Ba, Cr, Mn, Fe, Mg: 5.0µg/mL, U=2%; As: 5.0µg/mL, U=1%; Pb, Se, Al, Ca: 10.0µg/mL, U=2%; K, Na: 10.0µg/mL; U=1%
GBW(E)083361	镉、铬、砷、汞、铅混合溶液标准物质	Standard Solution of Cd、Cr、As、Hg、Pb	5ml/支	1mg/kg,U=4%
GBW(E)083362	镉、铬、砷、汞、铅混合溶液标准物质	Standard Solution of Cd、Cr、As、Hg、Pb	5ml/支	5mg/kg,U=3%
GBW(E)083363	镉、铬、砷、汞、铅混合溶液标准物质	Standard Solution of Cd、Cr、As、Hg、Pb	5ml/支	10mg/kg,U=2%
非金属元素及其它/Nonmetals and Others				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)080548	水中碲成分分析标准物质	Tellurium in water(10% hydrochloric acid)	80mL	100 µg/mL, U=1%
GBW(E)080215	水中硒成分分析标准物质	Selenium in water(1% hydrochloric acid)	80mL	100 µg/mL, U=1%
GBW(E)080217	水中硼成分分析标准物质	Boron in water	80mL	100 µg/mL, U=1%
GBW08605	水中砷成份分析标准物	Arsenic in water	20mL	(0.500±0.008)µg/g

	质			
GBW08611	水中砷成份分析标准物质	Arsenic in water(1% nitric acid)	20mL	(1000±1)µg/mL
GBW(E)080117	水中砷成分分析标准物质	Arsenic in water(1% nitric acid)	20mL	100 µg/mL, U=0.8%
GBW08604	水中氟成份分析标准物质	Fluoride in water	80mL	(1.00±0.02)µg/g
GBW(E)080549	水中氟成分分析标准物质	Fluoride in water	20mL	1000mg/L, U=1%
GBW(E)080338a	水中氟化物成分分析标准物质	Fluoride in water	20mL	12.8mg/L, U=2%
GBW(E)080339a	水中氟化物成分分析标准物质	Fluoride in water	20mL	25.0mg/L, U=2%
GBW(E)080340a	水中氟化物成分分析标准物质	Fluoride in water	20mL	39.5mg/L, U=2%
GBW(E)080268	水中氯根成分分析标准物质	Chloride in water	20mL	1000 µg/mL, U=0.7%
GBW(E)080269	水中氯根成分分析标准物质	Chloride in water	20mL	100 µg/mL, U=1%
NIM-RM3063	水中溴溶液标准物质	Bromine in water	20mL	100mg/L, U=1%
GBW08665	硫酸钠中硫酸根成分分析标准物质	Sulfate in sodium sulfate	50g	67.67%, U=0.13%
GBW(E)080266	水中硫酸根成分分析标准物质	SO ₄ ²⁻ in water	20mL	1000 µg/mL, U=0.7%
GBW(E)080267	水中硫酸根成分分析标准物质	SO ₄ ²⁻ in water	20mL	100 µg/mL, U=1%
GBW(E)080264	水中硝酸根成分分析标准物质	NO ₃ ⁻ in water	20mL	1000 µg/mL, U=0.7%
GBW(E)080265	水中硝酸根成分分析标准物质	NO ₃ ⁻ in water	20mL	100 µg/mL, U=1%
GBW08606	水中氯根、硝酸根、硫酸根成份分析标准物质	Cl ⁻ , NO ₃ ⁻ and SO ₄ ²⁻ in water	20mL	(Cl ⁻ : (22.5±0.4)µg/g; NO ₃ ⁻ : (4.6±0.1)µg/g; SO ₄ ²⁻ : (38.8±0.8)µg/g)
NIM-RM3058	硝酸盐态氮溶液标准物质	NO ₃ ⁻ -N in water	20mL	1000mg/L, U=1%
GBW(E)080223	水中亚硝酸盐氮成分分析标准物质	NO ₂ ⁻ -N in water	20mL	0.1g/L, U=2% (calculated by N)
GBW(E)080220	水中氨氮成分分析标准物质	Amino nitrogen in water	20mL	0.1g/L, U=2% (calculated by N)
GBW(E)081019	总氮(TN)标准溶液	Total nitrogen in water	20mL	500mg/L, U=1%
GBW(E)080115	水中氰成分分析标准物质	CN ⁻ in water(0.1mol/L NaOH)	40mL	about 50 µg/mL, U=1%
NIM-RM3180	硫单元素溶液标准物质	Sulfur in 1% HCl	20mL	1000mg/L, U=1%
GBW08630	硫化物溶液标准物质	Sulfide solution	10mL	(50-100)µg/mL, U=2.3%
GBW(E)080431	磷溶液成分分析标准物质	Phosphorus solution	20mL	1000µg/mL, U=0.5%

	质			
GBW(E)080435	磷酸二氢根溶液成分分析标准物质	Dihydrogen phosphate solution	20mL	1000mg/L, $U=1.3\%$
GBW(E)080272	水中二氧化硅成分分析标准物质	Silicon dioxide in water	80mL	100mg/L, $U=1\%$
GBW(E)080345	色度溶液标准物质	Chroma solution	20mL	500 degree, $U=1\%$
GBW(E)080224	水硬度标准物质	Total rigidity of water	20mL	4500mg/L, $U=1\%$ (calculated by CaCO_3)
GBW(E)080112	水中无机盐成分分析标准物质	Mineral salts in water	3×20mL	K, Na, Ca, Mg, Cl^- , SO_4^{2-} , total rigidity, total alkalinity
GBW(E)080970	水中溶解性固体总量标准物质	Total dissolved solid	20mL	20.0g/L, $U=1\%$
GBW(E)080651	水中无机碳溶液标准物质	Inorganic carbon (IC) in water	20mL	1000mg/L, $U=2\%$
GBW(E)080650	水中有机碳溶液标准物质	Organic carbon (TOC) in water	20mL	1000mg/L, $U=2\%$
GBW(E)081639	水中阴离子洗涤剂标准物质	Anion detergent in water	20mL	1000mg/L, $U=2.0\%$
GBW(E)082815	水中碘离子溶液标准物质	Iodide in Water	20mL	100mg/L, $U=1\%$
GBW(E)082519	水中硫酸盐含量及同位素 (^{32}S , ^{33}S , ^{34}S) 溶液标准物质	Sulfur Isotope and Content Reference Material	20mL	硫元素浓度 100 mg/L, $U=1$ mg/L; 硫同位素丰度比值 $n(^{32}\text{S})/n(^{34}\text{S})$ 23.17, $U=0.12$; 硫同位素丰度比值 $n(^{33}\text{S})/n(^{34}\text{S})$ 0.1821, $U=0.0014$

形态/价态分析/Speciation

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)080257	水中六价铬成份分析标准物质	Cr(VI) in water	20mL	100 $\mu\text{g/mL}$, $U=0.8\%$
GBW(E)080971	水中三甲基铅成份分析标准物质	Trimethyllead in water	20mL	(91.1±5.4) $\mu\text{g/mL}$
GBW(E)080972	水中三甲基铅成份分析标准物质	Trimethyllead in water	20mL	(0.729±0.054) $\mu\text{g/mL}$
GBW08668	一甲基砷溶液标准物质	Monomethylarsonic acid in water	2mL	(0.335±0.011) $\mu\text{mol/g}$
GBW08669	二甲基砷溶液标准物质	Dimethylarsinic acid in water	2mL	(0.705±0.024) $\mu\text{mol/g}$
GBW08670	砷甜菜碱溶液标准物质	Arsenobetaine in water	2mL	(0.518±0.015) $\mu\text{mol/g}$
GBW08671	砷胆碱溶液标准物质	Arsenocholine in water	2mL	(0.374±0.015) $\mu\text{mol/g}$
GBW08666	亚砷酸根(三价无机砷)溶液标准物质	Arsenic acid(As(III)) in water	2mL	(1.011±0.016) $\mu\text{mol/g}$
GBW08667	砷酸根(五价无机砷)溶液标准物质	Arsenic acid(As(V)) in water	2mL	(0.233±0.005) $\mu\text{mol/g}$

GBW08675	甲基汞溶液标准物质	Methylmercury in methanol	1.5mL	(76.6±2.9)μg/g(Caculated by Hg)
BW3218	乙基汞溶液标准物质	Ethylmercury in methanol	2mL	(65.8±2.4)μg/g(Caculated by Hg)
GBW08710	三丁基锡溶液标准物质	Tributyltin chloride in methanol	2mL	(633±19)μg/g(Caculated by Sn); (1547±47)μg/g(Caculated by C ₁₂ H ₂₇ Sn);
GBW08711	甲醇中二丁基锡溶液标准物质	Dibutyltin in Methanol	2mL	(195±5) μg/g (Caculated by[(C ₄ H ₉) ₂ Sn] ²⁺)
GBW08712	甲醇中三苯基锡溶液标准物质	Triphenyltin in Methanol	2mL	(293±6) μg/g (Caculated by[(C ₆ H ₅) ₃ Sn] ⁺)
GBW10032	亚硒酸根溶液标准物质	Selenite in Water	2mL	(42.9 ±0.9)(μg/g) (Caculated as Se)
GBW10033	硒酸根溶液标准物质	Selenate in Water	2mL	(41.5 ±1.3)(μg/g) (Caculated as Se)
GBW10034	硒代蛋氨酸溶液标准物质	Selenomethionine in Water	2mL	(39.4 ±1.0)(μg/g) (Caculated as Se)
GBW(E)083364	甲基汞溶液标准物质	Methylmercury Solution	2mL	C(CH ₃ Hg)=0.96±0.04μg/g
GBW(E)083386	总碱度溶液标准物质	Sodium Oxalate Solution for Volumetric Analysis Certified Reference Materials	80mL	1000μg/mL (以 Na ₂ CO ₃ 计), U=0.4%

生化及化学耗氧量/BOD and COD

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)080273	化学耗氧量 (Cr 法) 成分标准物质	COD(Cr)	20mL	100mg/L, U=2%
GBW(E)080201	高锰酸盐指数标准物质	COD(Mn)	25mL	COD(Mn): (4.17±0.08)mg/L
GBW(E)080274	化学耗氧量 (Mn 法) 成分标准物质	COD(Mn)	20mL	265mg/L, U=3%
GBW(E)080550	五日生化需氧量(BOD ₅) 成分分析标准物质	BOD ₅	20mL	1000mg/L, U=5%
GBW(E)080551	五日生化需氧量(BOD ₅) 成分分析标准物质	BOD ₅	20mL	3000mg/L, U=4%
GBW(E)080203	生化, 化学需氧量成分分析标准物质	BOD and COD(Cr)	25mL	BOD ₅ : (69.54±0.96)mg/L, COD(Cr): (108.3±0.9)mg/L

稀土元素/Rare Earth Elements

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW08651	镧(La)溶液成分分析标准物质	Lanthanum in 10% hydrochloric acid	20mL	(982.3±0.3)μg/g
GBW08652	铈(Ce)溶液成分分析标准物质	Cerium in 10% nitric acid	20mL	(951.5±0.4)μg/g
GBW08653	钐(Sm)溶液成分分析标准物质	Samarium in 10%	20mL	(982.3±0.6)μg/g

	准物质	hydrochloric acid		
GBW08654	铈(Eu)溶液成分分析标准物质	Europium in 10% hydrochloric acid	20mL	(982.3±0.4)μg/g
GBW08655	镱(Yb)溶液成分分析标准物质	Ytterbium in 10% hydrochloric acid	20mL	(982.3±0.4)μg/g
GBW08656	镱(Lu)溶液成分分析标准物质	Lutecium in 10% hydrochloric acid	20mL	(982.3±0.4)μg/g
GBW08657	铈(Yt)溶液成分分析标准物质	Yttrium in 10% hydrochloric acid	20mL	(982.3±0.3)μg/g
GBW08680	镝(Dy)单元素溶液标准物质	Dysprosium in 10% hydrochloric acid	20mL	质量分数 (μg g ⁻¹) 983.3; 质量浓度 (μg mL ⁻¹) 1000; U=0.5%
GBW08681	铈(Ho)单元素溶液标准物质	Holmium in 10% hydrochloric acid	20mL	质量分数 (μg g ⁻¹) 983.3; 质量浓度 (μg mL ⁻¹) 1000; U=0.5%
GBW08682	铈(Er)单元素溶液标准物质	Erbium in 10% hydrochloric acid	20mL	质量分数 (μg g ⁻¹) 983.3; 质量浓度 (μg mL ⁻¹) 1000; U=0.5%
GBW08683	铈(Tm) 单元素溶液标准物质	Thulium in 10% hydrochloric acid	20mL	质量分数 (μg g ⁻¹) 983.3; 质量浓度 (μg mL ⁻¹) 1000; U=0.5%
GBW08684	铈(Sc)单元素溶液标准物质	Scandium in 10% hydrochloric acid	20mL	质量分数 (μg g ⁻¹) 983.3; 质量浓度 (μg mL ⁻¹) 1000; U=0.5%
NIM-RM3133	镨(Pr)单元素溶液标准物质	Praseodymium in 10% hydrochloric acid	20mL	1000mg/L, U=1.0%
NIM-RM3134	钕(Nd)单元素溶液标准物质	Neodymium in 10% hydrochloric acid	20mL	1000mg/L, U=1.0%
NIM-RM3135	钆(Gd)单元素溶液标准物质	Gadolinium in 10% hydrochloric acid	20mL	1000mg/L, U=1.0%
NIM-RM3136	铽(Tb)单元素溶液标准物质	Terbium in 10% hydrochloric acid	20mL	1000mg/L, U=1.0%
NIM-RM3143	铷(Rb)单元素溶液标准物质	Rubidium in 1% hydrochloric acid	20mL	100mg/L, U=2%
GBW(E)082428	硝酸基体 17 种稀土元素混合溶液标准物质	Multi-element Solution Certified Reference Material	90mL	Sc Y La Ce Pr Nd Sm Eu Gd Tb Dy Ho Er Tm Yb Lu Th 10×10 ⁻⁶ , U=3%
GBW(E)082429	硝酸基体 29 种元素混合溶液标准物质	Multi-element Solution Certified Reference Material	90mL	Ag Al As Ba Be Bi Ca Cd Co Cr Cs Cu Fe Ga In K Li Mg Mn Na Ni Pb Rb Se Sr Tl U V Zn 各 10×10 ⁻⁶ , U=3%
GBW(E)082430	盐酸基体 11 种元素混合溶液标准物质	Multi-element Solution Certified Reference Material	90mL	Au Hf Hg Ir Pd Pt Rh Ru Sb Sn Te 各 10×10 ⁻⁶ , U=3%
GBW(E)082431	氢氟酸基体 12 种元素	Multi-element Solution	90mL	B Ge Mo Nb P Re S Si Ta Ti W Zr 各

	混合溶液标准物质	Certified Reference Material		10×10-6,U=3%
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16.有机溶液标准物质/Organic Solutions

苯系物

Benzene Series

卤代烃

Halohydrocarbons

酚类

Phenols

硝基苯

Nitrobenzene Series

氯苯

Chlorobenzene Series

多环芳烃

PAHs

多氯及多溴联苯(醚)

PCBs, PBBs and PBDEs

增塑剂

Plasticizer

其它

Others

苯系物/Benzene Series				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW08703	甲醇中苯成份分析标准物质	Benzene in methanol	2mL	1mg/mL, $U=3\%$
GBW08704	甲醇中甲苯成份分析标准物质	Toluene in methanol	2mL	1mg/mL, $U=3\%$
GBW08705	甲醇中乙苯成份分析标准物质	Ethylbenzene in methanol	2mL	1mg/mL, $U=3\%$
GBW08706	甲醇中邻-二甲苯成份分析标准物质	o-xylene in methanol	2mL	1mg/mL, $U=3\%$
GBW08707	甲醇中中间-二甲苯成份分析标准物质	m-xylene in methanol	2mL	1mg/mL, $U=3\%$
GBW08708	甲醇中对-二甲苯成份分析标准物质	p-xylene in methanol	2mL	1mg/mL, $U=3\%$
GBW(E)100139	甲醇中苯乙烯溶液标准物质	Styrene in methanol	2mL	1mg/mL, $U=3\%$
GBW(E)083031	甲醇中异丙苯溶液标准物质	Isopropylbenzene in Methanol	2mL	1mg/mL, $U=3\%$
GBW(E)081154~081156	甲醇中总挥发性有机物(TVOC)系列混合标准溶液(含苯、甲苯、乙苯、乙酸乙酯、邻二甲苯、间二甲苯、对二甲苯、正十一烷、苯乙烯)	TVOCs in methanol(benzene, toluene, ethylbenzene, ethyl acetate, o-xylene, m-xylene, p-xylene, undecane and styrene)	4×2mL	1mg/mL, $U=5.0\%$; 0.1mg/mL, $U=5.0\%$; 0.01mg/mL, $U=5.0\%$
GBW(E)081023	甲醇中苯系物溶液标准物质	Aromatic hydrocarbons in methanol	1mL	苯(benzene): 35.7mg/L; 甲苯(toluene): 34.8mg/L; 对二甲苯(p-xylene): 34.7mg/L; 邻二甲苯(o-xylene): 35.1mg/L; $U=5\%$
卤代烃/Halohydrocarbons				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)081054	甲醇中二氯甲烷溶液标准物质	Dichloromethane in methanol	2mL	1mg/mL, $U=3\%$
GBW(E)080239	甲醇中三氯甲烷溶液标准物质	Trichloromethane in methanol	3×2mL	3.0mg/L, $U=2\%$; 6.0mg/L, $U=2\%$; 10.0mg/L, $U=2\%$
GBW(E)080240	甲醇中四氯甲烷标准物质	Carbon tetrachloride in methanol	3×2mL	0.30mg/L, $U=2\%$; 0.60mg/L, $U=2\%$; 1.00mg/L, $U=2\%$
GBW(E)082207	甲醇中三氯甲烷、四氯化碳混合溶液标准物质	Trichloromethane and carbon tetrachloride in methanol	2mL	CHCl ₃ : 6.00mg/L, CCl ₄ : 0.199mg/L, $U=3\%$

GBW(E)082208	甲醇中三卤甲烷混合溶液标准物质	Trihalomethane Mixtures in Methanol (4 Components)	2mL	三氯甲烷 (Trichloromethane) : 101mg/L,U=3%;一溴二氯甲烷 (Bromodichloromethane) : 105mg/L,U=3%;二溴一氯甲烷 (Chlorodibromomethane) : 107mg/L,U=3%;三溴甲烷 (Bromoform) : 98.9mg/L,U=3%
GBW(E)082209	甲醇中5种卤代烃混合溶液标准物质	Halohydrocarbons Mixtures in Methanol (5 components)	2mL	1,1-二氯乙烯 (1,1-Dichloroethene):116mg/L,U=3%; 顺式-1,2-二氯乙烯 (cis-1,2-Dichloroethene)10mg/L,U=3%; 1,1,1-三氯乙烷 (1,1,1-Trichloroethane):101mg/L,U=3%; 1,1,2-三氯乙烷 (1,1,2-Trichloroethane):103mg/L,U=3%; 1,1,2,2-四氯乙烷 (1,1,2,2-Tetrachloroethane)101mg/L,U=3%
GBW(E)080469	甲醇中三溴甲烷溶液标准物质	Bromoform in methanol	2mL	1.00mg/mL, U=4%
GBW(E)081057	甲醇中一溴二氯甲烷溶液标准物质	Bromodichloromethane in methanol	2mL	1.00mg/mL, U=3%
GBW(E)081058	甲醇中二溴一氯甲烷溶液标准物质	Chlorodibromomethane in methanol	2mL	1.00mg/mL, U=3%
GBW(E)081056	甲醇中1,2-二氯乙烷溶液标准物质	1, 2-dichloroethane in methanol	2mL	1.00mg/mL, U=3%
GBW(E)081055	甲醇中1,1-二氯乙烷溶液标准物质	1, 1-dichloroethane in methanol	2mL	1.00mg/mL, U=3%
GBW(E)080466	甲醇中1,1,1-三氯乙烷溶液标准物质	1, 1, 1-trichloroethane in methanol	2mL	1.00mg/mL, U=4%
GBW(E)080467	甲醇中1,1,2-三氯乙烷溶液标准物质	1, 1, 2-trichloroethane in methanol	2mL	1.00mg/mL, U=4%
GBW(E)080468	甲醇中1,1,2,2-四氯乙烷溶液标准物质	1, 1, 2, 2-tetrachloroethane in methanol	2mL	1.00mg/mL, U=4%
GBW(E)080465	甲醇中1,1-二氯乙烯溶液标准物质	1, 1-dichloroethene in methanol	2mL	1.00mg/mL, U=4%
GBW(E)081062	甲醇中1,2-二氯乙烯溶液标准物质(顺式)	Cis-1, 2-dichloroethylene in methanol	2mL	1.00mg/mL, U=3%
GBW(E)081061	甲醇中1,2-二氯乙烯溶液标准物质(反式)	Trans-1, 2-dichloroethylene in methanol	2mL	1.00mg/mL, U=3%
GBW(E)081059	甲醇中三氯乙烯溶液标准物质	Trichloroethylene in methanol	2mL	1.00mg/mL, U=3%
GBW(E)081060	甲醇中四氯乙烯溶液标准物质	Tetrachloroethylene in methanol	2mL	1.00mg/mL, U=3%
GBW(E)081104	甲醇中六氯丁二烯溶液标准物质	Hexachlorobutadiene in methanol	1.5mL	0.503mg/mL, U=5%

	准物质			
GBW(E)081098	二氯甲烷中环氧氯丙烷溶液标准物质	3-Chloro-1,2-epoxypropane(Epichlorohydrin) in Dichloromethane	1.5mL	0.993mg/mL, $U=5\%$
GBW(E)081063	甲醇中卤代烃混合溶液标准物质	Chlorinated hydrocarbons mixtures in methanol	2mL	二氯甲烷(Dichloromethane),1,1 二氯乙烷(1, 1-dichloroethane),1,2,二氯乙烷(1, 2-dichloroethane),三氯乙烯(Trichloroethylene),四氯乙烯(Tetrachloroethylene),一溴二氯甲烷(Bromodichloromethane);二溴一氯甲烷(Chlorodibromomethane),反式-1,2-二氯乙烯(Trans-1, 2-dichloroethylene): 0.1mg/ml, $U=5\%$
GBW(E)081024	甲醇中卤代甲烷溶液标准物质	haloromethane in methanol	1mL	三氯甲烷(trichloromethane): 57.4mg/L; 一溴二氯甲烷(monobromo-dichloro-methane): 77.7mg/L; 二溴一氯甲烷(dibromo-monochloro-methane): 98.3mg/L; $U=5\%$

酚类/Phenols

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)080241	水中(挥发)酚成份分析标准物质	Hydroxybenzene in water	20mL	1000mg/L, $U=1.5\%$ (calculated by phenol)
GBW(E)080470	甲醇中苯酚溶液标准物质	Phenol in methanol	2mL	1.00mg/mL, $U=3\%$
GBW(E)080471	甲醇中间甲酚溶液标准物质	m-methylphenol in methanol	2mL	1.00mg/mL, $U=3\%$
GBW(E)080472	甲醇中 2, 4-二氯酚溶液标准物质	2, 4-dichlorophenol in methanol	2mL	1.00mg/mL, $U=3\%$
GBW(E)080475	甲醇中五氯酚溶液标准物质	Pentachlorophenol in methanol	2mL	1.00mg/mL, $U=3\%$
GBW(E)080473	甲醇中 2, 4, 6-三氯酚溶液标准物质	2, 4, 6-trichlorophenol in methanol	2mL	1.00mg/mL, $U=3\%$
GBW(E)080474	甲醇中 4-硝基酚溶液标准物质	4-nitrophenol in methanol	2mL	1.00mg/mL, $U=3\%$
GBW(E)082205	甲醇中 6 种酚类混合溶液标准物质	Phenols in methanol	2mL	苯酚 (phenol): 105mg/L, $U=3\%$; 间甲酚 (m-cresol): 92.7mg/L, $U=3\%$; 4-硝基酚 (4 - nitrophenol): 25.8mg/L, $U=3\%$; 2,4-二氯酚(2, 4-dichlorophenol): 107mg/L, $U=3\%$; 2,4,6-三氯酚(2, 4, 6-trichlorophenol):

				102mg/L,U=3%; 五氯酚(Pentachlorophenol): 97.4mg/L,U=3%
GBW(E)082206	甲醇中 3 种酚系物混合溶液标准物质	Phenols in methanol	2mL	2,4-二氯酚(2, 4-dichlorophenol): 50.1mg/L,U=3%; 2,4,6-三氯酚(2, 4, 6-trichlorophenol): 21.2mg/L,U=3%; 五氯酚(Pentachlorophenol): 11.2mg/L,U=3%

硝基苯/Nitrobenzene Series

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)081047	甲醇中硝基苯溶液标准物质	Nitrobenzene in methanol	2mL	1.00mg/mL, U=2%
GBW(E)081048	甲醇中对硝基甲苯溶液标准物质	p-nitrotoluene in methanol	2mL	1.00mg/mL, U=2%
GBW(E)081050	甲醇中 2, 4-二硝基甲苯溶液标准物质	2, 4-dinitrotoluene in methanol	2mL	1.00mg/mL, U=2%
GBW(E)081051	甲醇中 2, 4-二硝基氯苯溶液标准物质	2, 4-dinitrochlorobenzene in methanol	2mL	1.00mg/mL, U=2%
GBW(E)081052	甲醇中 2,4,6-三硝基甲苯溶液标准物质	2, 4, 6-trinitrotoluene in methanol	2mL	1.00mg/mL, U=2%
GBW(E)081053	甲醇中硝基苯系列混合溶液标准物质	6 nitrobenzene compounds in methanol	2mL	0.100mg/mL, U=10%
GBW(E)081049	甲醇中对硝基氯苯溶液标准物质	p-nitrochlorobenzene in methanol	2mL	1.00mg/mL, U=2%
NIM-RM3444	五氯硝基苯溶液标准物质	Pentachloronitrobenzene	2mL	0.100mg/mL, U=2%

氯苯/Clorlbenzene Series

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)130246	气相色谱-质谱联用仪校准用标准物质(异辛烷中六氯苯)	Hexachlorobenzene in isooctane for GC/MS verification	1mL	10.0ng/μl, U=3%
GBW(E)081110	正己烷中六氯苯溶液标准物质(低)	Hexachlorobenzene in n-hexane(low concentration)	1.5mL	0.05mg/mL, U=5%
GBW(E)081110-1	正己烷中六氯苯溶液标准物质(高)	Hexachlorobenzene in n-hexane(high concentration)	1.5mL	0.08mg/mL, U=5%

GBW(E)083348	异辛烷中 11 种氯苯类混合溶液标准物质	11 Chlorinated benzenes in Isooctane	2mL	1,2-二氯苯 100ug/mL, U=3%;1,3-二氯苯 100ug/mL U=3%;1,4-二氯苯 100ug/mL U=3%;1,2,3-三氯 1,2-二氯苯 100ug/mL,U=3%; 1,3-二氯苯 100ug/mL, U=3%; 1,4-二氯苯 100ug/mL U=3%; 1,2,3-三氯苯 10.0ug/mL, U=4%;1,2,4-三氯苯 10.0ug/mL, U=4%;1,3,5-三氯苯 10.0ug/mL, U=4%;1,2,3,4-四氯苯 11.0ug/mL,U=4%;1,2,3,5-四氯苯 10.0ug/mL, U=5%;1,2,4,5-四氯苯 10.0ug/mL,U=5%;五氯苯 10.0ug/mL,U=5%;六氯苯 10.0ug/mL,U=4%
GBW(E)083349	异辛烷中一氯代苯溶液标准物质	Chlorobenzene in Isooctane	2mL	100ug/mL U=3%(k=2)
GBW(E)083350	异辛烷中 1,2-二氯苯溶液标准物质	1,2-dichlorobenzene in Isooctane	2mL	100ug/mL U=3%(k=2)
GBW(E)083351	异辛烷中 1,3-二氯苯溶液标准物质	1,3-dichlorobenzene in Isooctane	2mL	100ug/mL U=3%(k=2)
GBW(E)083352	异辛烷中 1,4-二氯苯溶液标准物质	1,4-dichlorobenzene in Isooctane	2mL	100ug/mL U=3%(k=2)
GBW(E)083353	异辛烷中 1,2,3-三氯苯溶液标准物质	1,2,3-trichlorobenzene in Isooctane	2mL	100ug/mL U=4%(k=2)
GBW(E)083354	异辛烷中 1,2,4-三氯苯溶液标准物质	1,2,4-trichlorobenzene in Isooctane	2mL	100ug/mL U=4%(k=2)
GBW(E)083355	异辛烷中 1,3,5-三氯苯溶液标准物质	1,3,5-trichlorobenzene in Isooctane	2mL	100ug/mL U=3%(k=2)
GBW(E)083356	异辛烷中 1,2,3,4-四氯苯溶液标准物质	1,2,3,4-tetrachlorobenzene in Isooctane	2mL	100ug/mL U=3%(k=2)
GBW(E)083357	异辛烷中 1,2,3,5-四氯苯溶液标准物质	1,2,3,5-tetrachlorobenzene in Isooctane	2mL	100ug/mL U=3%(k=2)
GBW(E)083358	异辛烷中 1,2,4,5-四氯苯溶液标准物质	1,2,4,5-tetrachlorobenzene in Isooctane	2mL	100ug/mL U=4%(k=2)
GBW(E)083359	异辛烷中五氯苯溶液标准物质	Pentachlorobenzene in Isooctane	2mL	100ug/mL U=4%(k=2)
GBW(E)083360	异辛烷中六氯苯溶液标准物质	Hexachlorobenzene in Isooctane	2mL	100ug/mL U=4%(k=2)
多环芳烃/PAHs				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)080476	甲醇中苯并(a)芘溶液标准物质	Benzo(a)pyrene in methanol	2mL	(10-100)μg/mL, U=4%

GBW(E)080481	甲醇中茚并(ghi-cd)芘溶液标准物质	Indeno(1, 2, 3-cd)pyrene in methanol	2mL	(10-100)µg/mL, $U=4\%$
GBW(E)080479	甲醇中苯并(ghi)芘溶液标准物质	Benzo(ghi)perylene in methanol	2mL	(10-100)µg/mL, $U=5\%$
GBW(E)080478	甲醇中苯并(b)荧蒹溶液标准物质	Benzo(b)fluoranthene in methanol	2mL	(10-100)µg/mL, $U=5\%$
GBW(E)080480	甲醇中苯并(k)荧蒹溶液标准物质	Benzo(k)fluoranthene in methanol	2mL	(10-100)µg/mL, $U=6\%$
GBW(E)080477	甲醇中荧蒹溶液标准物质	Fluoranthene in methanol	2mL	(10-100)µg/mL, $U=4\%$
NIM-RM5064	甲醇中蒽溶液标准物质	Anthracene in methanol	2mL	200µg/mL, $U=4\%$
NIM-RM5065	甲醇中菲溶液标准物质	Phenanthrene in methanol	2mL	200µg/mL, $U=4\%$
NIM-RM5066	甲醇中屈溶液标准物质	Chrysene in methanol	2mL	100µg/mL, $U=4\%$
NIM-RM5020	甲醇中萘溶液标准物质	Naphthalene in methanol	2mL	200µg/mL, $U=4\%$
NIM-RM5067	甲醇中联苯溶液标准物质	Biphenyl in methanol	2mL	200µg/mL, $U=4\%$
NIM-RM5068	多环芳烃混合溶液标准物质	PAHs in methanol	2mL	萘(naphthalene), 荧蒹(fluoranthene), 苯并(b)荧蒹(benzo[b]fluorathene), 苯并(k)荧蒹(benzo[k]fluorathene), 苯并(ghi)芘(benzo[ghi]Pyrene), 茚并(1, 2, 3, -cd)芘(Indeno[1, 2, 3, -cd]pyrene), 苯并(a)芘(benzo[a]Pyrene): (6.9-16)µg/mL, $U=5\%$

多氯及多溴联苯(醚)/PCBs, PBBs and PBDEs

编号/Number	中文名称	Name	规格/Units	特性量/Properties
NIM-RM3706	异辛烷中 7 种多氯联苯混合溶液标准物质	7 PCBs in isooctane	1mL	PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180: (190-210)µg/kg, $U<4\%$
NIM-RM3707	异辛烷中 12 种共平面多氯联苯混合溶液标准物质	12 PCBs in isooctane	1.2mL	PCB77, PCB81, PCB105, PCB114, PCB118, PCB123, PCB126, PCB156, PCB157, PCB167, PCB169, PCB189: (190-210)µg/kg, $U<6\%$
NIM-RM3718	PCBs 溶液标准物质	PCBs standard solution	1mL	PCB single component: 1mg/L, $U\leq 5\%$
NIM-RM3720	甲醇中多氯联苯溶液标准物质(单标)	PCB in methanol	1mL	10 µg/g, $U=3.2\%$
NIM-RM3720-1	甲醇中多氯联苯溶液标准物质(单标)	PCB in methanol	5mL	10 µg/g, $U=3.2\%$
NIM-RM3822	PCB15 溶液标准物质	PCB15 in isooctane	1mL	10µg/g, $U=3.2\%$
NIM-RM3823	PCB28 溶液标准物质	PCB28 in isooctane	1mL	10µg/g, $U=3.2\%$
NIM-RM3821	PCB52 溶液标准物质	PCB52 in isooctane	1mL	10µg/g, $U=3.2\%$

NIM-RM3825	PCB101 溶液标准物质	PCB101 in isooctane	1mL	10µg/g,U=3.2%
NIM-RM3820	PCB103 溶液标准物质	PCB103 in isooctane	1mL	10µg/g,U=3.2%
NIM-RM3830	PCB105 溶液标准物质	PCB105 in isooctane	1mL	10µg/g,U=3.2%
NIM-RM3819	PCB118 溶液标准物质	PCB118 in isooctane	1mL	10µg/g,U=3.2%
NIM-RM3828	PCB138 溶液标准物质	PCB138 in isooctane	1mL	10µg/g,U=3.2%
NIM-RM3829	PCB153 溶液标准物质	PCB153 in isooctane	1mL	10µg/g,U=3.2%
NIM-RM3827	PCB180 溶液标准物质	PCB180 in isooctane	1mL	10µg/g,U=3.2%
NIM-RM3826	PCB204 溶液标准物质	PCB204 in isooctane	1mL	10µg/g,U=3.2%
NIM-RM3824	PCB209 溶液标准物质	PCB209 in isooctane	1mL	10µg/g,U=3.2%
GBW(E)081124	异辛烷中工业五溴二苯醚混合溶液标准物质	Industrial penta-BDE in isooctane	1.2mL	Total concentration: 50µg/mL,U=6%
NIM-RM3521-2	甲苯中工业五溴二苯醚混合溶液标准物质	Industrial penta-BDE in toluene	1.2mL	Total concentration: 500µg/mL,U=5%
GBW(E)081125	异辛烷中工业八溴二苯醚混合溶液标准物质	Industrial octa-BDE in isooctane	1.2mL	Total concentration: 50µg/mL,U=6%
NIM-RM3522-2	甲苯中工业八溴二苯醚混合溶液标准物质	Industrial octa-BDE in toluene	1.2mL	Total concentration: 500µg/mL,U=5%
GBW08709	十溴二苯醚溶液标准物质	Deca-BDE in isooctane/toluene(V/V 9:1)	1.2mL	50µg/mL, U=1.4%
NIM-RM3523-2	甲苯中十溴二苯醚溶液标准物质	Deca-BDE in toluene	1.2mL	500µg/mL, U=3%
GBW(E)082212	异辛烷中十溴联苯溶液标准物质	Decabromobiphenyl in Iso-octane	1mL	48.8µg/mL,U=4%
GBW(E)082213	甲苯中十溴联苯溶液标准物质	Decabromobiphenyl in Toluene	1mL	50.0µg/mL,U=2%
GBW(E)082214	异辛烷中六溴苯溶液标准物质	Hexabromobenzene in Iso-octane	1mL	50.0µg/mL,U=3%

增塑剂/Plasticizer

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)081097	丙酮中邻苯二甲酸二(2-乙基己基)酯溶液标准物质 (DEHP)	Di(2-ethylhexyl)phthalate(DEHP) in acetone	1.5mL	992mg/L, U=5%
GBW(E)100221	邻苯二甲酸二甲酯溶液标准物质	Dimethyl phthalate acid ester in methanol	2mL	230.0µg/mL,U=2.0%
GBW(E)100222	邻苯二甲酸二乙酯溶液标准物质	Diethyl phthalate acid ester in methanol	2mL	238.0µg/mL,U=2.0%
GBW(E)100223	邻苯二甲酸二(2-乙基己基)酯溶液标准物质	Di(2-ethylhexyl) phthalate acid ester in methanol	2mL	186.0µg/mL,U=2.0%
GBW(E)100224	邻苯二甲酸正丁酯溶液标准物质	Dibutyl phthalate acid ester in methanol	2mL	195.0µg/mL,U=2.0%
GBW(E)100225	邻苯二甲酸正壬酯溶液标准物质	n-Dinonyl phthalate acid ester in methanol	2mL	136.0µg/mL,U=2.0%

GBW(E)100226	邻苯二甲酸丁苄酯溶液标准物质	Butyl benzyl phthalate acid ester in methanol	2mL	165.0µg/mL,U=2.2%
NIM-RM3834	正己烷中三种邻苯二甲酸酯类化合物溶液	Phthalic acidesters in n-hexane	2mL	0.50mg/mL,U=0.02mg/mL
NIM-RM3835	正己烷中 16 种邻苯二甲酸酯类化合物混合溶液	Phthalic acidesters in n-hexane	2mL	0.10mg/mL,U=0.005mg/mL
NIM-RM3836	甲醇中 16 种邻苯二甲酸酯类化合物混合溶液	Phthalic acidesters in methanol	2mL	0.10mg/mL,U=0.005mg/mL
NIM-RM3837	正己烷中邻苯二甲酸苯基丁基酯溶液	Phthalic acid,benzylbutyl ester in n-hexane	2mL	0.50mg/mL,U=0.02mg/mL
NIM-RM3838	正己烷中邻苯二甲酸二丁酯溶液	Phthalic acid,bis-butyl ester in n-hexane	2mL	0.50mg/mL,U=0.02mg/mL
NIM-RM3839	正己烷中邻苯二甲酸二(2-乙基)己酯溶液	Phthalic acidesters in n-hexane	2mL	0.50mg/mL,U=0.02mg/mL
★NIM-RM3769	17 种邻苯二甲酸酯正己烷溶液标准物质	17 Phthalate esters in hexane	2 mL/支	17 种成分浓度(10±5) µg/mL
★GBW10149	2,3,5,6-四甲基吡嗪纯度标准物质	Purity of 2,3,5,6-Tetramethylpyrazine	0.2g	(99.9±0.1) %
★GBW10164	正己烷中邻苯二甲酸苄基丁基酯 (BBP) 溶液标准物质	Benzyl Butyl Phthalate in Hexane	2ml	500µg/mL, Urel=3%
★GBW10165	正己烷中邻苯二甲酸二(2-乙基)己酯 (DEHP)溶液	Bis(2-ethylhexyl) phthalate in hexane	2ml	500µg/mL, Urel=3%

其它/Others

编号/Number	中文名称	Name	规格/Units	特性量/Properties
NIM-RM3450	水中甲醛溶液标准物质	Formaldehyde in water	2mL	10mg/mL, U=3%
NIM-RM3449	水中乙醇溶液标准物质	Alcohol in water	2mL	80mg/100mL, U=3%
NIM-RM3436	水中丙烯腈溶液标准物质	Acrylonitrile in water	2mL	1mg/mL, U=3%
GBW(E)083030	甲醇中苯胺溶液标准物质	Anilin in Methanol	2mL	1mg/mL,U=3%
GBW(E)081103	乙酸乙酯中 2, 3-二溴丙酰胺溶液标准物质	2, 3-DBPA in ethylacetate	1.5mL	0.982mg/mL, U=5%
GBW(E)081678	二氯乙酸/甲叔丁醚溶液标准物质	Dichloroacetic acid/methyl-tert-butyl ether	1.5mL	499mg/L, U=5%
GBW(E)081679	三氯乙酸/甲叔丁醚溶液标准物质	Trichloroacetic acid/methyl-tert-butyl ether	1.5mL	498mg/L, U=8%

17. 农药、兽药及化肥 / Fertilizers, Pesticides and Veterinary Drugs

化肥

Fertilizers

农药

Pesticides

兽药

Veterinary Drugs

化肥/Fertilizers				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW06503	硫酸钾中钾成分分析标准物质	Potassium in potassium sulfate	40g	K: (44.79±0.12)%; [Ca: 67.6µg/g]; [Mg: 4.0µg/g]; [Mn: 0.2µg/g]; [Fe: 4.7µg/g]
农药/ Pesticides				
编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)060133	有机氯农药混合标准物质	Organochlorine pesticides mixture in toluene/methanol	2mL	α-六六六, β-六六六, r-六六六, δ-六六六, P.P'-DDT, O.P'-DDT, P.P'-DDE, P.P'-DDD: 50.0µg/mL, U=2%
GBW(E)082211	异辛烷中 8 种有机氯农药混合溶液标准物质	8 Organic Chloride Pesticides in Isooctane	1mL/瓶	α-六六六, β-六六六, r-六六六, δ-六六六, P.P'-DDT, O.P'-DDT, P.P'-DDE, P.P'-DDD: 1.00µg/mL, U=2%
NIM-RM3701	异辛烷中 7 种有机氯农药混合溶液标准物质	Seven organochlorinated pesticides in isooctane	1mL	六氯苯(hexachlorobenzene), 七氯(heptachlor), 艾氏剂(aldrin), 环氧七氯(heptachlor-endo-epoxide), 狄氏剂(dieldrin), 异狄氏剂(endrin), 灭蚊灵(mirex): (200-500)µg/kg, U<5%
NIM-RM3702	异辛烷中 15 种有机氯农药混合溶液标准物质	Fifteen organochlorinated pesticides in isooctane	1mL	六氯苯(hexachlorobenzene), 七氯(heptachlor), 艾氏剂(aldrin), 环氧七氯(heptachlor-endo-epoxide), 狄氏剂(dieldrin), 异狄氏剂(endrin), 灭蚊灵(mirex), α-六六六, β-六六六, r-六六六, δ-六六六, P.P'-DDT, O.P'-DDT, P.P'-DDE, P.P'-DDD: (290-300)µg/kg, U<5%
NIM-RM3703	异辛烷中工业氯丹农药溶液标准物质	Industrial toxaphene in isooctane	1.2mL	七氯(heptachlor), 顺式氯丹(cis-chlordane), 反式氯丹(trans-chlordane), 顺式九氯

				(cis-nonachlor), 反式九氯 (trans-nonachlor): (100-500)μg/kg, $U < 14\%$
NIM-RM3704	异辛烷中工业毒杀芬农药溶液标准物质	Toxaphene in isooctane	1mL	Total concentration: (9.5-10.5)ng/kg, $U < 5\%$
NIM-RM3705	异辛烷中 5 种有机氯农药溶液标准物质	Five organochlorinated pesticides in isooctane	1mL	七氯(heptachlor), 顺式氯丹 (cis-chlordane), 反式氯丹 (trans-chlordane), 顺式九氯 (cis-nonachlor), 反式九氯 (trans-nonachlor): (290-300)μg/kg, $U < 5\%$
GBW(E)060081	甲体六六六农药溶液标准物质	α-BHC in toluene/methanol	2mL	50.0μg/mL, $U = 1\%$
GBW(E)060082	乙体六六六农药溶液标准物质	β-BHC in toluene/methanol	2mL	50.0μg/mL, $U = 1\%$
GBW(E)060083	丙体六六六农药溶液标准物质	γ-BHC in toluene/methanol	2mL	50.0μg/mL, $U = 1\%$
GBW(E)060084	丁体六六六农药溶液标准物质	δ-BHC in toluene/methanol	2mL	50.0μg/mL, $U = 1\%$
GBW(E)060102	P.P'-DDT 农药溶液标准物质	p, p'-DDT in toluene/methanol	2mL	50.0μg/mL, $U = 1\%$
GBW(E)060103	O.P'-DDT 农药溶液标准物质	o, p'-DDT in toluene/methanol	2mL	50.0μg/mL, $U = 1\%$
GBW(E)060104	P.P'-DDE 农药溶液标准物质	p, p'-DDE in toluene/methanol	2mL	50.0μg/mL, $U = 1\%$
GBW(E)060105	P.P'-DDD 农药溶液标准物质	p, p'-DDD in toluene/methanol	2mL	50.0μg/mL, $U = 1\%$
GBW(E)080483	甲醇中敌敌畏溶液标准物质	Dichlorvos(DDVP)in methanol	2mL	1.00mg/mL, $U = 4\%$
GBW(E)060074	敌敌畏农药溶液标准物质	Dichlorvos(DDVP)in methanol	2mL	(99.8±0.4)μg/mL
GBW(E)081107	甲醇中敌百虫溶液标准物质	Trichlorfon in methanol	1.5mL	0.99mg/mL, $U = 5\%$
GBW(E)080486	甲醇中乐果溶液标准物质	Dimethoate in methanol	2mL	1.00mg/mL, $U = 4\%$
GBW(E)060075	乐果农药溶液标准物质	Dimethoate in methanol	2mL	(101±2)μg/mL
GBW(E)060615	莠去津(阿特拉津)农药标准物质	Atrazine	0.1g	96.5%, $U = 0.5\%$
GBW(E)081100	甲醇中莠去津(阿特拉津)溶液标准物质	Atrazine in methanol	1.5mL	0.999mg/mL, $U = 5\%$
GBW(E)060008	速灭威农药标准物质	Metocarb	0.1g	99.7%, $U = 0.3\%$
GBW(E)060223	西维因(甲萘威)农药标准物质	Carbaryl	0.1g	99.9%, $U = 0.2\%$
GBW(E)060224	叶蝉散(异丙威)农药标准物质	Isoprocarb	0.1g	99.9%, $U = 0.2\%$

GBW(E)060225	呋喃丹(克百威)农药标准物质	Carbofuran	0.1g	99.9%, $U=0.2\%$
GBW(E)080485	甲醇中对硫磷溶液标准物质	Parathion in methanol	2mL	1.00mg/mL, $U=4\%$
GBW(E)080482	甲醇中甲基对硫磷溶液标准物质	Parathion-methyl in methanol	2mL	1.00mg/mL, $U=4\%$
GBW(E)081142	甲醇中久效磷溶液标准物质	Monocrotophos in methanol	1mL	1.00mg/mL, $U=1.0\%$
GBW06410	水胺硫磷农药标准物质	Isocarbophos	0.1g	99.6%, $U=0.4\%$
GBW(E)060544				
GBW(E)061402	马拉硫磷甲醇溶液标准物质	Malathion in methanol	1mL	1.00mg/ml, $U=4\%$
GBW(E)061399	甲胺磷甲醇溶液标准物质	Methamidophos in methanol	1mL	1.00mg/ml, $U=1\%$
GBW(E)081086	甲醇中甲胺磷溶液标准物质	Methamidophos in methanol	1.5mL	998mg/L, $U=4.8\%$
GBW06411	克线磷农药标准物质	Fenamiphos	0.1g	99.5%, $U=0.4\%$
GBW(E)060545				
GBW(E)081144	甲醇中克线磷溶液标准物质	Fenamiphos in methanol	1mL	1.00mg/mL, $U=1\%$
GBW06414	噻嗪酮农药标准物质	Buprofezin	0.1g	99.5%, $U=0.4\%$
GBW(E)060547				
GBW(E)060618	三唑酮农药标准物质 (粉锈宁)	Triadimefon	0.1g	99.8%, $U=0.4\%$
GBW(E)060613	除草醚农药标准物质	Nitrofen	0.1g	99.9%, $U=0.4\%$
GBW(E)060614	扑草净农药标准物质	Prometryn	0.1g	99.5%, $U=0.5\%$
GBW(E)060619	百菌清农药标准物质	Chlorothalonil	0.1g	99.8%, $U=0.4\%$
GBW06413	双甲脒农药标准物质	Amitraz	0.1g	99.9%, $U=0.4\%$
GBW(E)060550	双甲脒农药标准物质	Amitraz	0.1g	99.9%, $U=0.4\%$
GBW06417	多效唑农药标准物质	Paclobutrazol	0.1g	99.7%, $U=0.4\%$
GBW(E)060551	多效唑农药标准物质	Paclobutrazol	0.1g	99.9%, $U=0.4\%$
GBW(E)060552	2, 4-滴农药标准物质	2, 4-D	0.1g	99.4%, $U=0.4\%$
GBW(E)060616	2, 4-D 丁酯农药标准物质	2, 4-D butylate	1mL	99.3%, $U=0.3\%$
GBW06412	灭多威农药标准物质	Methomyl	0.1g	99.9%, $U=0.3\%$
GBW(E)060546				
GBW(E)060617	五氯硝基苯农药标准物质	Pentachloronitrobenzene	0.1g	98.1%, $U=0.6\%$
GBW06416	氯菊酯农药标准物质	Permethrin	0.1g	99.6%, $U=0.4\%$
GBW(E)060549				
GBW(E)060138	溴氰菊酯农药标准物质	Deltamethrin	0.1g	99.7%, $U=0.2\%$
GBW(E)060139	氯氰菊酯农药标准物质	Cypermethrin	0.1g	99.7%, $U=0.2\%$
GBW(E)060140	氰戊菊酯农药标准物质	Fenvalerate	0.1g	100.0%, $U=0.2\%$
GBW06415	联苯菊酯农药标准物质	Bifenthrin	0.1g	99.6%, $U=0.4\%$
GBW(E)060548				

GBW(E)060889	S-氰戊菊酯农药标准物质	Esfenvalerate	0.1g	99.6%, $U=0.5\%$
NIM-RM3470	甲氰菊酯农药标准物质	Fenpropathrin	0.1g	99.9%, $U=0.5\%$
GBW(E)061099	高效氯氟氰菊酯农药标准物质	Lambda-cyhalothrin	0.1g	99.5%, $U=1.0\%$
NIM-RM3584	氟氰戊菊酯甲醇溶液标准物质	Flucythrinate in methanol	1mL	0.10mg/mL, $U=5\%$
GBW(E)061097	顺式氯菊酯农药纯度标准物质	Cis-Permethrin	100mg	99.7% $U=0.8\%$
GBW(E)061098	反式氯菊酯农药纯度标准物质	Trans-Permethrin	100mg	99.8% $U=0.5\%$
GBW(E)060872	氟磺胺草醚农药标准物质	Fomesafen	0.1g	99.7%, $U=0.5\%$
GBW(E)060890	抗蚜威农药标准物质	Pirimicarb	0.1g	99.5%, $U=0.4\%$
GBW(E)061405	辛硫磷甲醇溶液标准物质	Phoxim in methanol	2mL	1.00mg/ml, $U=1\%$
NIM-RM3549	啶硫磷农药标准物质	Quinalphos	0.1g	99.8%, $U=0.5\%$
NIM-RM3469-2	杀螟硫磷溶液标准物质	Fenitrothion in methanol	1mL	1.00mg/mL, $U=4.0\%$
GBW(E)061400	甲拌磷甲醇溶液标准物质	Phorate in methanol	1mL	1.00mg/ml, $U=1\%$
GBW(E)060876	乙酰甲胺磷农药标准物质	Acephate	0.1g	99.9%, $U=0.2\%$
GBW(E)081143	甲醇中乙酰甲胺磷溶液标准物质	Acephate in methanol	1mL	1.00mg/mL, $U=1.0\%$
GBW(E)061408	乙酰甲胺磷丙酮溶液标准物质	acephate in acetone	1mL	1.00mg/ml, $U=1.0\%$
GBW(E)061403	三唑磷丙酮溶液标准物质	triazophos in acetone	1mL	1.00mg/ml, $U=2\%$
GBW(E)061404	杀扑磷甲醇溶液标准物质	Methidathion in methanol	1mL	1.00mg/ml, $U=1\%$
GBW(E)060871	毒死蜱农药标准物质	Chlorpyrifos	0.1g	99.8%, $U=0.3\%$
GBW(E)081141	甲醇中毒死蜱溶液标准物质	Chlorpyrifos in methanol	1mL	1.00mg/mL, $U=1.0\%$
GBW(E)060943	甲基毒死蜱农药纯度标准物质	Chlorpyrifos-methyl	0.2g	99.9%, $U=0.5\%$
GBW(E)061397	二嗪农甲醇溶液标准物质	Diazion in methanol	2mL	1.00mg/ml, $U=1\%$
GBW(E)060880	噻菌灵农药标准物质	Thiabendazole	0.1g	99.9%, $U=0.5\%$
GBW(E)060886	二甲戊乐灵(二甲戊灵)农药标准物质	Pendimethalin	0.1g	99.9%, $U=0.2\%$
GBW(E)060893	除虫脲农药标准物质	Diflubenzuron	0.1g	99.8%, $U=0.6\%$
GBW(E)060895	灭幼脲农药标准物质	Chlorbenzuron	0.1g	99.8%, $U=0.7\%$
GBW(E)060888	异菌脲农药标准物质	Iprodione	0.1g	99.3%, $U=0.5\%$
GBW(E)060891	噁草酮农药标准物质	Oxadiazon	0.1g	99.9%, $U=0.2\%$
GBW(E)060882	戊唑醇农药标准物质	Tebuconazole	0.1g	99.8%, $U=0.5\%$

GBW(E)060883	三唑醇农药标准物质	Triadimenol	0.1g	99.1%, $U=0.4\%$
GBW(E)060885	烯唑醇农药标准物质	Diniconazole	0.1g	99.8%, $U=0.5\%$
GBW(E)060879	三环唑农药标准物质	Tricyclazole	0.1g	99.6%, $U=0.4\%$
GBW(E)060887	抑霉唑农药标准物质	Imazalil	0.1g	99.7%, $U=0.5\%$
GBW(E)060877	氟乐灵农药标准物质	Trifluralin	0.1g	99.9%, $U=0.2\%$
GBW(E)060878	灭蝇胺农药标准物质	Cyromazine	0.1g	99.9%, $U=0.2\%$
GBW(E)060940	二苯胺农药纯度标准物质	Diphenylamine	0.1g	99.9%, $U=0.3\%$
GBW(E)060892	百草枯农药标准物质	Paraquat	0.1g	99.9%, $U=0.5\%$
GBW(E)060897	敌草快农药标准物质	Diquat	0.1g	99.9%, $U=0.3\%$
GBW(E)060898	使它隆农药标准物质	Fluroxypyr	0.1g	99.7%, $U=0.7\%$
GBW(E)060881	腐霉利农药标准物质	Procymidone	0.1g	99.8%, $U=0.3\%$
NIM-RM3478	阿维菌素农药标准物质	Abamectin	0.1g	99.2%, $U=0.7\%$
NIM-RM3479	咪鲜胺农药标准物质	Prochloraz	0.1g	98.4%, $U=1.0\%$
GBW(E)060884	绿麦隆农药标准物质	Chlorotoluron	0.1g	99.7%, $U=0.6\%$
NIM-RM3484	苯丁锡农药标准物质	Fenbutatin-oxide	0.1g	99.9%, $U=0.5\%$
GBW(E)061100	苄嘧磺隆农药标准物质	Bensulfuron-methyl	0.1g	99.6%, $U=0.6\%$
GBW(E)060899	杀螟丹农药标准物质	Cartap	0.1g	99.8%, $U=0.5\%$
GBW(E)061393	吡虫啉甲醇溶液标准物质	Imidacloprid in methanol	2mL	1.00mg/ml, $U=1\%$
GBW(E)060875	硫丹农药标准物质	Endosulfan	0.1g	99.8%, $U=0.4\%$
GBW(E)061101	敌草隆农药纯度标准物质	Diuron	0.1g	99.9%, $U=0.5\%$
GBW(E)061102	毒莠定农药纯度标准物质	Picloram	0.1g	99.9%, $U=0.5\%$
GBW(E)061103	硫双威农药纯度标准物质	Thiodicarb	0.1g	99.7%, $U=0.7\%$
GBW(E)061104	杀虫单农药纯度标准物质	Thiosultap-monosodium	0.1g	99.8%, $U=0.8\%$
GBW(E)061410	敌稗甲醇溶液标准物质	Propanil in methanol	1mL	1.00mg/ml, $U=2\%$
GBW(E)061415	灭草松乙腈溶液标准物质	Bentazon e in acetonitrile	1mL	1.00mg/ml, $U=2\%$
NIM-RM3553	蚜灭磷甲醇溶液标准物质	Vamidotion in methanol	1mL	0.100mg/mL, $U=5\%$
GBW(E)061388	稻瘟灵甲醇溶液标准物质	Isoprothiolane in methanol	1mL	0.100mg/ml, $U=4\%$
GBW(E)061401	甲基嘧啶磷甲醇溶液标准物质	Pirimiphos-methyl in methanol	1mL	0.100mg/ml, $U=5\%$
GBW(E)061412	丁草胺甲醇溶液标准物质	Butachlor in methanol	1mL	0.100mg/ml, $U=5\%$
GBW(E)061387	腈苯唑甲醇溶液标准物质	fenbuconazole in methanol	1mL	0.100mg/ml, $U=4\%$
GBW(E)061407	乙硫磷甲醇溶液标准物质	Ethion in methanol	1mL	0.100mg/ml, $U=5\%$
GBW(E)061394	丙硫克百威甲醇溶液标	Benfuracarb in methanol	1mL	0.100mg/ml, $U=4\%$

	准物质			
GBW(E)061391	氯苯嘧啶醇甲醇溶液标准物质	Fenarimol in methanol	1mL	0.100mg/ml,U=5%
GBW(E)061389	敌菌灵乙腈溶液标准物质	Anilazine in acetonitrile	1mL	1.00mg/ml,U=1%
GBW(E)061413	禾草敌甲醇溶液标准物质	Molinate in methanol	1mL	1.00mg/ml,U=4%
NIM-RM3564	噻螨酮甲醇溶液标准物质	Hexythiazox in methanol	1mL	0.100mg/mL,U=4%
GBW(E)061390	氟硅唑甲醇溶液标准物质	Flusilazole in methanol	1mL	1.00mg/ml,U=2%
NIM-RM3566	仲丁威溶液标准物质	Fenobucarb in methanol	1mL	0.100mg/mL,U=4%
NIM-RM3567	倍硫磷甲醇溶液标准物质	Fenthion in methanol	1mL	0.100mg/mL,U=4%
GBW(E)061392	丙环唑甲醇溶液标准物质	Propiconazol in methanol	1mL	1.00mg/ml,U=4%
GBW(E)061411	丙草胺甲醇溶液标准物质	Pretilachlor in methanol	1mL	1.00mg/ml,U=4%
GBW(E)061396	丁硫克百威甲醇溶液标准物质	Carbosulfan in methanol	1mL	1.00mg/ml,U=4%
NIM-RM3571	异丙甲草胺甲醇溶液标准物质	Metolachlor in methanol	1mL	0.100mg/mL,U=4%
GBW(E)060939	甲草胺农药纯度标准物质	Alachlor	0.1g	99.7%, U=0.3%
GBW(E)081108	甲醇中甲草胺溶液标准物质	Alachlor in methanol	1.5mL	0.549mg/mL,U=5%
NIM-RM3572	硫线磷甲醇溶液标准物质	Cadusafos in methanol	1mL	0.100mg/mL,U=4%
GBW(E)061414	精吡氟禾草灵乙腈溶液标准物质	Fluazifop-p-butyl in acetonitrile	1mL	1.00mg/ml,U=4%
NIM-RM3574	炔螨特乙腈溶液标准物质	Propargite in acetonitrile	1mL	0.100mg/mL,U=4%
NIM-RM3575	灭线磷甲醇溶液标准物质	Ethoprophos in methanol	1mL	0.100mg/mL,U=4%
GBW(E)061395	稻丰散甲醇溶液标准物质	Phenthoate in methanol	2mL	1.00mg/ml,U=4%
NIM-RM3577	涕灭威甲醇溶液标准物质	Aldicarb in methanol	1mL	0.100mg/mL,U=5%
NIM-RM3578	氟胺氰菊酯乙腈溶液标准物质	Tau-fluvalinate in acetonitrile	1mL	0.100mg/mL,U=5%
GBW(E)061406	溴螨酯甲醇溶液标准物质	Bromopropylate in methanol	1mL	1.00mg/ml,U=3%
NIM-RM3580	吡氟禾草灵甲醇溶液标准物质	Fluazifop-butyl in methanol	1mL	0.100mg/mL,U=5%
GBW(E)061398	伏杀硫磷丙酮溶液标准	Phosalone in acetone	1mL	0.100mg/ml,U=5%

	物质			
NIM-RM3582	三氯杀螨醇甲醇溶液标准物质	Dicofol in methanol	1mL	0.100mg/mL,U=5%
NIM-RM3583	敌瘟磷甲醇溶液标准物质	Edifenphos in methanol	1mL	0.100mg/mL,U=5%
GBW(E)060941	三氟羧草醚农药纯度标准物质	Acifluorfen	0.1g	99.7%, U=0.3%
GBW(E)060942	四螨嗪农药纯度标准物质	Clofentezine	0.1g	99.8%, U=0.3%
GBW(E)060974	哒嗪硫磷农药纯度标准物质	Purity of pyridaphenthione	100mg	99.6%,U=0.4%
GBW(E)060975	莎稗磷农药纯度标准物质	Purity of anilofos	100mg	99.8%,U=0.4%
GBW(E)060976	氯苯胺灵农药纯度标准物质	Purity of chlorpropham	100mg	99.7%,U=0.5%
GBW(E)060977	猛杀威农药纯度标准物质	Purity of promecarb	100mg	99.8%,U=0.3%
GBW(E)060978	甲氰菊酯农药纯度标准物质	Purity of fenpropathrin	100mg	99.9%,U=0.3%
GBW(E)060979	腈菌唑农药纯度标准物质	Purity of myclobutanil	100mg	99.9%,U=0.4%
GBW(E)060980	啉虫脒农药纯度标准物质	Purity of acetamiprid	100mg	99.9%,U=0.2%
GBW(E)060981	咪唑乙烟酸农药纯度标准物质	Purity of imazethapyr	100mg	99.7%,U=0.3%
GBW(E)060982	吡氟酰草胺农药纯度标准物质	Purity of diflufenican	100mg	99.9%,U=0.3%
GBW(E)060983	噻草酮农药纯度标准物质	Purity of metribuzin	100mg	99.6%,U=0.9%
GBW(E)060994	亚胺硫磷农药纯度标准物质	Purity of phosmet	100mg	99.1%,U=0.8%
GBW(E)060995	啶硫磷农药纯度标准物质	Purity of phosmet	100mg	99.8%,U=0.2%
GBW(E)061393	吡虫啉甲醇溶液标准物质	Imidacloprid in methanol	1mL	1.00mg/ml,U=1%
GBW(E)060997	醚菊酯农药纯度标准物质	Purity of etofenprox	100mg	99.7%, U=0.3%
GBW(E)060998	西玛津农药纯度标准物质	Purity of ametryn	100mg	99.9%, U=0.4%
GBW(E)060999	莠灭净农药纯度标准物质	Purity of ametryn	100mg	99.3%, U=0.5%
GBW(E)061000	吡嘧磺隆农药纯度标准物质	Purity of triasulfuron	100mg	99.5%, U=0.7%
GBW(E)061001	醚苯磺隆农药纯度标准物质	Purity of triasulfuron	100mg	99.3%, U=0.8%

GBW(E)061002	二氯喹啉酸农药纯度标准物质	Purity of ouinclorac	100mg	99.8%, $U=0.8\%$
GBW(E)061003	溴鼠灵农药纯度标准物质	Purity of brodifacoum	100mg	99.7%, $U=0.9\%$
GBW(E)081084	甲醇中甲基对硫磷溶液标准物质	Parathion-methyl in methanol	2mL	994mg/L, $U=5\%$
GBW(E)081085	甲醇中对硫磷溶液标准物质	Parathion in methanol	2mL	999mg/L, $U=5\%$
GBW(E)100363	盐酸氨基脲(SEM)纯度标准物质	Purity of Aminourea hydrochloride	100mg	98.2%, $U=0.9\%$
GBW10104	1-氨基乙内酰脲盐酸盐纯度标准物质	Purity of 1-Aminohydantoin hydrochloride	100mg	99.4%, $U=0.6\%$
GBW(E)083347	甲醇中敌敌畏、甲胺磷、乙酰甲胺磷、乐果、甲基对硫磷、有机磷、马拉硫磷混合溶液标准物质	6 Organophosphorus Pesticides in Methanol	2mL	敌敌畏 99.7μg/mL, 甲胺磷 98.8μg/mL, 乙酰甲胺磷 100.1μg/mL, 乐果 100.1μg/mL, 甲基对硫磷 99.0μg/mL, 马拉硫磷 100.1μg/mL, $U_{rel}5\%$

兽药/Veterinary Drugs

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)060901	磺胺嘧啶兽药标准物质	Sulfadiazine	0.1g	99.6%, $U=0.4\%$
GBW(E)081146	甲醇中磺胺嘧啶溶液标准物质	Sulfadiazine in methanol	1mL	1.00mg/mL, $U=0.01\text{mg/mL}$
GBW(E)060902	磺胺甲基嘧啶兽药标准物质	Sulfamerazine	0.1g	99.8%, $U=0.2\%$
GBW(E)081147	甲醇中磺胺甲基嘧啶溶液标准物质	Sulfamerazine in methanol	1mL	1.00mg/mL, $U=0.01\text{mg/mL}$
GBW(E)060903	磺胺吡啶兽药标准物质	Sulfapyridine	0.1g	99.9%, $U=0.2\%$
GBW(E)081148	甲醇中磺胺吡啶溶液标准物质	Sulfapyridine in methanol	1mL	1.00mg/mL, $U=0.01\text{mg/mL}$
GBW(E)060904	磺胺噻唑兽药标准物质	Sulfathiazole	0.1g	99.9%, $U=0.5\%$
GBW(E)060905	磺胺甲噁唑兽药标准物质(磺胺甲基异噁唑)	Sulfamethoxazole	0.1g	99.8%, $U=0.5\%$
GBW(E)060900	磺胺二甲嘧啶兽药标准物质	Sulfadimidine	0.1g	99.8%, $U=0.2\%$
GBW(E)081145	甲醇中磺胺二甲嘧啶溶液标准物质	Sulfadimidine in methanol	1mL	1.00mg/mL, $U=0.01\text{mg/mL}$
GBW(E)060906	磺胺二甲氧嘧啶兽药标准物质	Sulfadimethoxine	0.1g	99.3%, $U=0.5\%$
GBW(E)061416	磺胺二甲氧嘧啶甲醇溶液标准物质	Sulfadimethoxine in methanol	1mL	1.00mg/mL, $U=4\%$

GBW(E)060907	氯霉素兽药标准物质	Chloramphenicol	0.1g	99.8%, $U=0.2\%$
GBW(E)060908	甲硝唑兽药标准物质 (甲硝哒唑)	Metronidazole	0.1g	99.9%, $U=0.2\%$
GBW(E)060909	二甲硝咪唑兽药标准物质	Dimetridazole	0.1g	99.9%, $U=0.2\%$
GBW06418	孔雀石绿纯度标准物质	Malachite green oxalate salt	0.1g	98.5%, $U=0.8\%$
GBW06419	隐色孔雀石绿纯度标准物质	Leucomalachite green	0.1g	99.2%, $U=0.6\%$
GBW06420	结晶紫纯度标准物质	Crystal violet	0.1g	98.1%, $U=1.0\%$
NIM-RM3814	隐色结晶紫纯度标准物质	Leucocrystal violet	0.1g	99.7%, $U=0.5\%$
NIM-RM3815	盐酸克伦特罗(瘦肉精)纯度标准物质	Clenbuterol - hydrochloride	0.1g	99.1%, $U=0.8\%$
GBW(E)061417	盐酸呋喃它酮纯度标准物质	Furaltadone hydrochloride	0.1g	99.8%, $U=0.5\%$
GBW10078	5-甲基吗啉-3-氨基-2-恶唑烷基酮兽药纯度标准物质	Purity of 5-morpholinomethyl-3-Amino-2-oxazolidinone (AMOZ)	100mg	99.4%, $U=0.9\%$
GBW10079	3-氨基-2-恶唑烷基酮兽药纯度标准物质	Purity of 3-Amino-2-oxazolidinone (AOZ)	100mg	98.8%, $U=0.5\%$
NIM-RM3817	呋喃妥因纯度标准物质	Nitroforantoin	0.1g	99.6%, $U=0.7\%$
GBW(E)060944	呋喃西林兽药纯度标准物质	nitrofur	0.1g	99.8%, $U=0.4\%$
GBW10078	5-甲基吗啉-3-氨基-2-恶唑烷基酮纯度	Purity of 5-morpholinomethyl-3-Amino-2-oxazolidinone (AMOZ)	100mg	99.4%, $U=0.9\%$
GBW10079	3-氨基-2-恶唑烷基酮纯度	Purity of 3-Amino-2-oxazolidinone (AOZ)	100mg	98.8%, $U=0.5\%$
GBW(E)060984	己烯雌酚兽药纯度标准物质	Purity of diethylstilboestrol	100mg	99.7%, $U=0.3\%$
GBW(E)060985	雌二醇兽药纯度标准物质	Purity of estradiol	100mg	99.4%, $U=0.6\%$
GBW(E)100185	噻苯哒唑纯度标准物质	Purity of Thiabendazole	200mg	99.9%, $U=0.2\%$
GBW(E)061723	四环素纯度标准物质	Purity of Tetracycline	100mg	95.6%, $U=1.1\%$
GBW(E)061410	敌蟊甲醇溶液标准物质	Propanil in methanol	1mL	1.00mg/ml, $U=2\%$
GBW(E)061414	精吡氟禾草灵乙腈溶液标准物质	Fluazifop-P-butyl in Acetonitrile	1mL	1.00mg/ml, $U=4\%$
GBW(E)061888	盐酸二氟沙星纯度标准物质	Purity of Difluoxacin Hydrochloride	100mg	99.5%, $U=0.8\%$
GBW(E)061889	氧氟沙星纯度标准物质	Purity of Ofloxacin	100mg	99.9%, $U=0.3\%$
GBW(E)061890	盐酸克伦特罗纯度标准物质	Purity of Clenbuterol Hydrochloride	100mg	99%, $U=0.6\%$
GBW(E)061891	呋喃唑酮纯度标准物质	Purity of Furazolidone	100mg	99.9%, $U=0.9\%$
GBW(E)061892	呋喃妥因纯度标准物质	Purity of Furadantin	100mg	99.8%, $U=0.6\%$
GBW(E)061893	青霉素 V 钾纯度标准物质	Purity of Phenoxymethylpenicillin Potassium	100mg	98.8%, $U=0.6\%$

GBW(E)061894	阿莫西林纯度标准物质	Purity of Amoxicillin	100mg	98.2%,U=0.7%
GBW(E)061895	二硝托胺纯度标准物质	Purity of dinitolmide	100mg	99.0%,U=0.4%
GBW(E)061896	甲氧苄啶纯度标准物质	Purity of trimethoprim	100mg	99.8%,U=0.2%
GBW(E)100322	甲醇中磺胺噻唑溶液标准物质	Sulfathiazole in Methanol	2mL	1.00mg/mL,U= 0.03mg/mL
GBW(E)100323	甲醇中磺胺甲噁唑溶液标准物质	Sulfamethoxazole in Methanol	2mL	1.00mg/mL,U= 0.03mg/mL
★ GBW(E)082557	甲醇中氯霉素溶液标准物质	Chloramphenicol in Methanol	1mL	100mg/L, U= 0.03mg/L
★ GBW(E)082558	甲醇中氟苯尼考溶液标准物质	Florfenicol in Methanol	1mL	100mg/L, U= 0.03mg/L
★ GBW(E)082559	甲醇中诺氟沙星溶液标准物质	Norfloxacin in Methanol	1mL	100mg/L, U= 0.05mg/L
★ GBW(E)083125	甲醇中洛美沙星溶液标准物质	Lomefloxacin in Methanol	1mL	100mg/L, U= 0.03mg/L
★ GBW(E)083128	甲醇中地美硝唑溶液标准物质	Dimetridazole in Methanol	1mL	100mg/L, U= 0.03mg/L
★ GBW(E)090594	甲醇中金刚烷胺溶液标准物质	Amantadine in Methanol	1mL	100mg/L, U= 0.11mg/L
★ GBW(E)090757	甲醇中甲硝唑溶液标准物质	Metronidazole in Methanol	1mL	100mg/L, U= 0.03mg/L
★ GBW(E)100486	甲醇中特布他林溶液标准物质	Terbutaline in Methanol	1mL	100mg/L, U= 0.03mg/L
★ GBW(E)100492	甲醇中莱克多巴胺溶液标准物质	Ractopamine in Methanol	1mL	100mg/L, U= 0.03mg/L
★GBW10155	恩诺沙星纯度标准物质	Purity of Enrofloxacin	0.1 g/ 瓶	99.6%, U=0.2% (k=2)
★GBW10156	环丙沙星纯度标准物质	Purity of Ciprofloxacin	0.1 g/ 瓶	99.6%, U=0.2% (k=2)
★GBW10158	恩诺沙星甲醇溶液标准物质	Enrofloxacin in Methanol	2 mL/ 支	0.50 mg/mL, U=2% (k=2)
★GBW10159	环丙沙星甲醇溶液标准物质	Ciprofloxacin in Methanol	2 mL/ 支	0.50 mg/mL, U=2% (k=2)
★NIM-RM3764	恩诺沙星纯度标准物质	Purity of Enrofloxacin	0.1 g/ 瓶	99.6%, U=0.2% (k=2)
★NIM-RM3765	环丙沙星纯度标准物质	Purity of Ciprofloxacin	0.1 g/ 瓶	99.6%, U=0.2% (k=2)
★NIM-RM3766	恩诺沙星甲醇溶液标准物质	Enrofloxacin in Methanol	2 mL/ 支	0.50 mg/mL, U=2% (k=2)
★NIM-RM3767	环丙沙星甲醇溶液标准物质	Ciprofloxacin in Methanol	2 mL/ 支	0.50 mg/mL, U=2% (k=2)

18.激素及兴奋剂/Hormones and dopes

编号/Number	中文名称	Name	规格/Units	特性量/Properties
GBW(E)100095	甲醇中克伦特罗溶液标准物质	Clenbuterol-HCL in methanol	1mL	(1.01±0.02)mg/mL
GBW(E)100098	甲醇中喷布特罗溶液标准物质	Pentubutolol sulfate in methanol	1mL	(1.00±0.02)mg/mL
GBW(E)100106	甲醇中氯丙那林溶液标准物质	Clorprenaline hydrochloride in methanol	1mL	(1.05±0.02)mg/mL

19. 蛋白质 & 核酸检测用标准物质 /Protein&nucleic acid

编号/Number	中文名称	Name	规格/Units	特性量/Properties
NIM-RM2701	鲑鱼精 DNA 成分标准物质	Salmon sperm DNA	1mL	(2.05±0.074)mg/g
NIM-RM2701-1	鲑鱼精 DNA 成分标准物质	Salmon sperm DNA	1mL	(0.998±0.036)mg/g
NIM-RM2701-2	鲑鱼精 DNA 成分标准物质	Salmon sperm DNA	1mL	(0.501±0.018)mg/g
NIM-RM2701-3	鲑鱼精 DNA 成分标准物质	Salmon sperm DNA	1mL	(0.100±0.004)mg/g
NIM-RM2701-4	鲑鱼精 DNA 成分标准物质	Salmon sperm DNA	1mL	(0.011±0.001)mg/g
GBW09801	小牛胸腺 DNA 成分标准物质	Calf thymus DNA	0.5mL	(1006 ± 57) mg/kg
GBW09802	鲑鱼精 DNA 成分标准物质	Salmon sperm DNA	0.5mL	1028mg/kg, U=62mg/kg
GBW09803	20bp 寡聚 DNA 成分标准物质	20 bp OligoDNA	10uL	176.2mg/kg, U=8mg/kg
GBW09804	320bp 寡聚 DNA 成分标准物质	320 bp OligoDNA	10uL	110.8mg/kg, U=5.4mg/kg
NIM-RM3638	质粒 DNA 含量标准物质	plasmid DNA	10uL	1.41×10 ¹⁴ cp/uL, U=6.06×10 ¹² cp/μL
GBW(E)100149	乙氨酰乙氨酰酪氨酸相对分子质量标准物质	GGYR (Gly-Gly-Tyr-Arg) molecular weight	5mg	451.2±0.6
GBW(E)100150	乙氨酰乙氨酰乙氨酸相对分子质量标准物质	GGG (Glycyl-glycyl-glycine)molecular weight	5mg	189.1±0.6
GBW(E)100151	牛血清白蛋白相对分子质量标准物质	Bovine serum albumin molecular weight	20mg	66446±32
GBW(E)100152	胰蛋白酶抑制剂相对分子质量标准物质	Aprotinin molecular weight	5mg	6511±3
GBW(E)100153	细胞色素 C 相对分子质量标准物质	Cytochrome C molecular weight	5mg	12355±16
NIM-RM3624	马心肌红蛋白相对分子质量标准物质	Myoglobin from horse heart relative molecular weight	5mg	16951±16
NIM-RM3625	糖化血红蛋白成分标准物质 (高)	Glycated hemoglobin	10μL	(11.6±1.9)%
NIM-RM3626	糖化血红蛋白成分标准物质 (低)	Glycated hemoglobin	10μL	(5.0±0.9)%
GBW09815	牛血清白蛋白成分标准物质	Bovine serum albumin	200mg	(0.963±0.038)g/g
NIM-RM3627-1	牛血清白蛋白溶液标准物质-高	Bovine serum albumin solution	8mL	(69.4±4.6)g/L
NIM-RM3627-2	牛血清白蛋白溶液标准物质-中	Bovine serum albumin solution	8mL	(34.7±2.2)g/L
NIM-RM3627-3	牛血清白蛋白溶液标准物质-低	Bovine serum albumin solution	8mL	(16.9±1.1)g/L
NIM-RM3627-4	牛血清白蛋白溶液标准物质-低	Bovine Serum Albumin Solution	2mL	0.050mg/mL, U=0.004mg/mL
NIM-RM3627-5	牛血清白蛋白溶液标准物质-低	Bovine Serum Albumin Solution	2mL	0.107mg/mL, U=0.007mg/mL
NIM-RM3627-6	牛血清白蛋白溶液标准物质	Bovine Serum Albumin Solution	2mL	0.2mg/mL, U=0.02mg/mL

	质-低			
NIM-RM3627-7	牛血清白蛋白溶液标准物质-低	Bovine Serum Albumin Solution	2mL	0.50mg/mL, $U=0.04\text{mg/mL}$
NIM-RM3627-8	牛血清白蛋白溶液标准物质-低	Bovine Serum Albumin Solution	2mL	1.01mg/mL, $U=0.07\text{mg/mL}$
NIM-RM3627-9	牛血清白蛋白溶液标准物质-低	Bovine Serum Albumin Solution	2mL	2.0mg/mL, $U=0.2\text{mg/mL}$
NIM-RM3627-10	牛血清白蛋白溶液标准物质-低	Bovine Serum Albumin Solution	2mL	5.0mg/mL, $U=0.4\text{mg/mL}$
NIM-RM3627-11	牛血清白蛋白溶液标准物质-低	Bovine Serum Albumin Solution	2mL	8.0mg/mL, $U=0.6\text{mg/mL}$
NIM-RM3627-12	牛血清白蛋白溶液标准物质-低	Bovine Serum Albumin Solution	2mL	10.0mg/mL, $U=0.7\text{mg/mL}$
NIM-RM3651	人血清白蛋白成分标准物质	Human Serum Albumin	5mg	0.853 g/g, $U=0.026\text{ g/g}$
NIM-RM3621	C 肽标准物质	C peptide	11 μg	(11.2 $\pm$ 2.4) μg
NIM-RM3622	人血管紧张素 II 相对分子质量标准物质	Human angiotension II relative molecular Weight	5mg	1045.5 $\pm$ 1.2
GBW09816	胰岛素(猪)成分标准物质	Insulin (Porcine)	15mg	(0.892 $\pm$ 0.040)g/g
GBW10070-10073	转基因 BT63 水稻种子粉基体标准物质	Genetically Modified BT63 Rice Seed Powder	5 $\times$ 1g	GBW10070: (0.50 $\pm$ 0.04) % (质量分数标准值) (mass fraction certified value); (0.51 $\pm$ 0.07) % (拷贝分数参考值) (reference value) GBW10071: (1.01 $\pm$ 0.07) % (质量分数标准值) (mass fraction certified value); (1.00 $\pm$ 0.13) % (拷贝分数参考值) (reference value) GBW10072: (2.01 $\pm$ 0.11) % (质量分数标准值) (mass fraction certified value); (1.91 $\pm$ 0.25) % (拷贝分数参考值) (reference value) GBW10073: (5.03 $\pm$ 0.35) % (质量分数标准值) (mass fraction certified value); (4.31 $\pm$ 0.58) % (拷贝分数参考值) (reference value) 空白(blank): 质量分数(mass fraction)<0.08%, 拷贝分数(0.0014 $\pm$ 0.0015)
GBW10074-10077	转基因克螟稻 2 号水稻种子粉基体标准物质	Genetically Modified Bt Gene Kemingdao 2 Seed Powder	4 $\times$ 1g/set	0.5%, $U=0.08\%$
				0.99%, $U=0.11\%$
				1.98%, $U=0.16\%$
				4.96%, $U=0.32\%$
GBW10090	转基因水稻 BT63 (TT51-1) 质粒分子	Plasmidic DNA Containing BT63 (TT51-1) Rice DNA Fragments	500 μL	测序比值(sequencing ratio)1.00, $U=0.07\%$; PCR 比值(ratio)1.00, $U=0.08\%$

GBW 10127	kefeng 8-1 转基因水稻种子粉状标准物质	Rice Seed Powder with different Mass Fractions of the Rice kefeng 8	1g	质量分数(mass fraction) 5.0×10^{-3} , $U=1.1\times 10^{-3}$
GBW 10128	kefeng 8-2 转基因水稻种子粉状标准物质	Rice Seed Powder with different Mass Fractions of the Rice kefeng 8	1g	质量分数(mass fraction) 10.1×10^{-3} , $U=0.6\times 10^{-3}$
GBW 10129	kefeng 8-3 转基因水稻种子粉状标准物质	Rice Seed Powder with different Mass Fractions of the Rice kefeng 8	1g	质量分数(mass fraction) 20.4×10^{-3} , $U=1.3\times 10^{-3}$
GBW 10130	kefeng 8-4 转基因水稻种子粉状标准物质	Rice Seed Powder with different Mass Fractions of the Rice kefeng 8	1g	质量分数(mass fraction) 30.5×10^{-3} , $U=1.9\times 10^{-3}$
GBW 10131	kefeng 8-5 转基因水稻种子粉状标准物质	Rice Seed Powder with different Mass Fractions of the Rice kefeng 8	1g	质量分数(mass fraction) 50.4×10^{-3} , $U=3.1\times 10^{-3}$
GBW10086	转基因玉米 NK603 质粒分子	Plasmidic DNA Containing NK603 Maize DNA Fragments	500μL	测序比值(sequencing ratio)1.00, $U=0.04\%$; PCR 比值(ratio)0.97, $U=0.09\%$; 浓度 (concentration) 2.40×10^8 copy/μL, $U=0.14\times 10^8$ copy/μL
GBW10092	转基因大豆 MON89788 质粒分子标准物质	Plasmid DNA Containing Genetically Modified MON89788 Soybean DNA Fragments	500μL	测序比值(sequencing ratio)1.00, $U=0.04\%$; PCR 比值(ratio)1.01, $U=0.09\%$
NIM-RM4017	转基因玉米 NK603 种子粉基体标准物质	Genetically Modified NK603 Maize Seed Powder	1g	0.50%, $U=0.10\%$
NIM-RM4018	转基因玉米 NK604 种子粉基体标准物质	Genetically Modified NK604 Maize Seed Powder	1g	1.00%, $U=0.35\%$
NIM-RM4019	转基因玉米 NK605 种子粉基体标准物质	Genetically Modified NK605 Maize Seed Powder	1g	5.00%, $U=0.35$
NIM-RM5201	亚洲人源(炎黄一号) DNA 序列标准物质	Asia Original Human (YH-1) DNA Standard Sequence	4μg	DNA 标准序列(standard sequence), 置信度(confidence level)100%
NIM-RM5202	大肠杆菌 O157 基因组 DNA 序列标准物质	Escherichia coli O157 Whole Genome DNA Standard Sequence	4μg	DNA 标准序列(standard sequence), 置信度(confidence level)100%
NIM-RM4034-1	Illumina 平台高通量测序 DNA 文库定量标准物质	Reference Material of DNA Library Quantification for Next Generation Sequencing	200μL×5	摩尔浓度(molar concentration)57.8pM, $U=12.96\%$
NIM-RM4034-2	Illumina 平台高通量测序 DNA 文库定量标准物质	Reference Material of DNA Library Quantification for Next Generation Sequencing		摩尔浓度(molar concentration)6.14pM, $U=12.38\%$
NIM-RM4034-3	Illumina 平台高通量测序 DNA 文库定量标准物质	Reference Material of DNA Library Quantification for Next Generation Sequencing		摩尔浓度(molar concentration)0.68pM, $U=12.7\%$

NIM-RM4034-4	Illumina 平台高通量测序 DNA 文库定量标准物质	Reference Material of DNA Library Quantification for Next Generation Sequencing		摩尔浓度 0.0627pM, $U=12.34\%$
NIM-RM4034-5	Illumina 平台高通量测序 DNA 文库定量标准物质	Reference Material of DNA Library Quantification for Next Generation Sequencing		摩尔浓度(molar concentration)0.00721pM, $U=10.74\%$
NIM-RM4035-1	人基因组 DNA 定量标准物 质	Reference Material of Human Genomic DNA Quantification	200 μ L $\times$ 2	3.89×10^4 copies/ μ L, $U=8.6\%$
NIM-RM4035-2	人基因组 DNA 定量标准物 质	Reference Material of Human Genomic DNA Quantification		3.69×10^4 copies/ μ L, $U=9.2\%$
GBW10093	sGK9708-41 转基因棉花种 子粉基体标准物质	Certification of Reference Materials of Cotton Seed Powder with Different Mass Fractions of the Cotton sGK9708-41(zhong 41) and zhong 23	1g	5.0 mg/g, $U=0.2$ mg/g
GBW10094	sGK9708-42 转基因棉花种 子粉基体标准物质	Certification of Reference Materials of Cotton Seed Powder with Different Mass Fractions of the Cotton sGK9708-41(zhong 41) and zhong 23	1g	10.2 mg/g, $U=0.3$ mg/g
GBW10095	sGK9708-43 转基因棉花种 子粉基体标准物质	Certification of Reference Materials of Cotton Seed Powder with Different Mass Fractions of the Cotton sGK9708-41(zhong 41) and zhong 23	1g	20.5mg/g, $U=0.6$ mg/g
GBW10096	sGK9708-44 转基因棉花种 子粉基体标准物质	Certification of Reference Materials of Cotton Seed Powder with Different Mass Fractions of the Cotton sGK9708-41(zhong 41) and zhong 23	1g	30.9 mg/g, $U=0.9$ mg/g
GBW10097	sGK9708-45 转基因棉花种 子粉基体标准物质	Certification of Reference Materials of Cotton Seed Powder with Different Mass Fractions of the Cotton sGK9708-41(zhong 41) and zhong 23	1g	52.6 mg/g, $U=1.6$ mg
GBW09841	KRAS (G12A) 基因突变丰 度标准物质	Reference Material of Fractional Abundance of KRAS (G12A) Mutations	100 μ L	67.3%, $U= 2.0\%$
GBW09842	KRAS (G12D) 基因突变丰 度标准物质	Reference Material of Fractional Abundance of KRAS (G12D) Mutations	100 μ L	47.7%; $U= 3\%$

GBW09843	KRAS (G12R) 基因突变丰度标准物质	Reference Material of Fractional Abundance of KRAS (G12R) Mutations	100μL	51.8%,U= 3%
GBW09844	KRAS (G12C) 基因突变丰度标准物质	Reference Material of Fractional Abundance of KRAS (G12C) Mutations	100μL	100%,U= 2%
GBW09845	KRAS (G12S) 基因突变丰度标准物质	Reference Material of Fractional Abundance of KRAS (G12S) Mutations	100μL	100%,U= 2%
GBW09846	KRAS (G12V) 基因突变丰度标准物质	Reference Material of Fractional Abundance of KRAS (G12V) Mutations	100μL	100%,U= 2%
GBW09847	KRAS (G13D) 基因突变丰度标准物质	Reference Material of Fractional Abundance of KRAS (G13D) Mutations	100μL	50.4%,U=3%
GBW09848	KRAS 基因 7 种突变丰度标准物质 (1%水平)	Reference Material of Fractional Abundance of KRAS with 7 Mutations (1%)	100μL	G12A 1.0%, U=10%;G12D 1.0%, 10%;G12R 1.0%, 11%;G12C 1.0%, 9%;G12S 1.0 %,9%;G12V 1.0%, 9%;G13D 1.0%, 8%
GBW09849	KRAS 基因 7 种突变丰度标准物质 (5%水平)	Reference Material of Fractional Abundance of KRAS with 7 Mutations (5%)	100μL	G12A 5.05%, U=7%;G12D 5.0%, 7%;G12R 5.0%, 7%;G12C 5.1%, 8%;G12S 4.9 %,10%;G12V 5.0%, 8%;G13D 5.0%, 7%

20.气体标准物质/Gases

编号/Number	中文名称	Name	规格 /Units	特性量/Properties
GBW 06326	氦气中一氧化碳	Carbon monoxide in Helium	4L	$(50.0 \sim 100) \times 10^{-6}$ $U_{rel}=1.5\%$
GBW 06327	氦气中二氧化碳	Carbon dioxide in Helium	4L	$(50.0 \sim 100) \times 10^{-6}$ $U_{rel}=1.5\%$
GBW 06329	氦气中四氟化碳	Four carbon fluoride in Helium	4L	$(50.0 \sim 100) \times 10^{-6}$ $U_{rel}=1.5\%$
GBW 06328	氦气中二氧化硫	Sulfur dioxide in Helium	4L	$(50.0 \sim 100) \times 10^{-6}$ $U_{rel}=1.5\%$
GBW 06330	氦气中氟化亚硫酸酐	Thionyl fluoride in Helium	4L	$(50.0 \sim 100) \times 10^{-6}$ $U_{rel}=1.5\%$
GBW 06331	氦气中氟化硫酸酐	Sulfuryl fluoride in Helium	4L	$(50.0 \sim 100) \times 10^{-6}$ $U_{rel}=1.5\%$
GBW 08101	氮中甲烷	Methane in nitrogen	2L, 4L, 8L	10×10^{-6} $U=1\%$
GBW 08102	氮中甲烷	Methane in nitrogen	2L, 4L, 8L	50×10^{-6} $U=1\%$
GBW 08103	氮中甲烷	Methane in nitrogen	2L, 4L, 8L	100×10^{-6} $U=1\%$
GBW 08104	氮中甲烷	Methane in nitrogen	2L, 4L, 8L	500×10^{-6} $U=1\%$
GBW 08105	氮中甲烷	Methane in nitrogen	2L, 4L, 8L	1000×10^{-6} $U=1\%$
GBW 08106	氮中一氧化碳	Carbon monoxide in Nitrogen	2L, 4L, 8L	10×10^{-6} $U=1\%$
GBW 08107	氮中一氧化碳	Carbon monoxide in Nitrogen	2L, 4L, 8L	50×10^{-6} $U=1\%$
GBW 08108	氮中一氧化碳	Carbon monoxide in Nitrogen	2L, 4L, 8L	100×10^{-6} $U=1\%$
GBW 08109	氮中一氧化碳	Carbon monoxide in Nitrogen	2L, 4L, 8L	500×10^{-6} $U=1\%$
GBW 08110	氮中一氧化碳	Carbon monoxide in Nitrogen	2L, 4L, 8L	1000×10^{-6} $U=1\%$
GBW 08111	氮中二氧化碳	Carbon dioxide in Nitrogen	2L, 4L, 8L	10×10^{-6} $U=1\%$
GBW 08112	氮中二氧化碳	Carbon dioxide in Nitrogen	2L, 4L, 8L	50×10^{-6} $U=1\%$
GBW 08113	氮中二氧化碳	Carbon dioxide in Nitrogen	2L, 4L, 8L	100×10^{-6} $U=1\%$
GBW 08114	氮中二氧化碳	Carbon dioxide in Nitrogen	2L, 4L, 8L	500×10^{-6} $U=1\%$
GBW 08115	氮中二氧化碳	Carbon dioxide in Nitrogen	2L, 4L, 8L	1000×10^{-6} $U=1\%$
GBW 08116	氮中一氧化氮	Nitrogen monoxide in Nitrogen	2L, 4L, 8L	$50 \sim 2000$ $U=1\%$
GBW 08117	氮中氧	Oxygen in Nitrogen	2L, 4L, 8L	21×10^{-2} $U=0.1\%$
GBW 08118	氮中二氧化碳	Carbon dioxide in Nitrogen	2L, 4L, 8L	1×10^{-2} $U=1\%$
GBW 08119	空气中甲烷	Methane in Air	2L, 4L, 8L	$(1 \sim 100) \times 10^{-6}$ $U=1\%$
GBW 08120	空气中一氧化碳	Carbon monoxide in Air	2L, 4L, 8L	$(5 \sim 50) \times 10^{-6}$ $U=1\%$
GBW 08123	空气中甲烷	Methane in Air	2L, 4L, 8L	$(0.5 \sim 3) \times 10^{-2}$ $U=1\%$
GBW 08124	氮中六氟化硫	Sulfur hexafluoride in nitrogen	2L, 4L, 8L	$(5 \sim 6000) \times 10^{-6}$ $U=1\%$
GBW 08125	氮中乙烷	Ethane in nitrogen	2L, 4L, 8L	$(1 \sim 10) \times 10^{-6}$ $U=1.5\%$
GBW 08126	氮中乙烷	Ethane in nitrogen	2L, 4L, 8L	$(10 \sim 10000) \times 10^{-6}$ $U=1\%$
GBW 08127	氮中乙烯	Ethane in nitrogen	2L, 4L, 8L	$(1 \sim 10) \times 10^{-6}$ $U=1.5\%$
GBW 08128	氮中乙烯	Ethane in nitrogen	2L, 4L, 8L	$(10 \sim 10000) \times 10^{-6}$ $U=1\%$

GBW 08129	氮中丙烯	Propylene in nitrogen	2L, 4L, 8L	(1~10) 10^{-6} $U=1.5\%$
GBW 08130	氮中丙烯	Propylene in nitrogen	2L, 4L, 8L	(10~10000) 10^{-6} $U=1\%$
GBW 08131	氮中甲烷、乙烷、丙烷、 丁烯、异丁烷	Methane, ethane, propane, ethylene, iso-butane in nitrogen	2L, 4L, 8L	CH ₄ 1000 10^{-6} $U=1.5\%$ C ₂ H ₆ 1000 10^{-6} $U=1.5\%$ C ₃ H ₈ 1000 10^{-6} $U=1.5\%$ C ₂ H ₄ 10 10^{-6} $U=1.5\%$ i-C ₄ H ₁₀ 10 10^{-6} $U=1.5\%$
GBW 08132	氮中甲烷、乙烷、丙烷、 丙烯	Methane, ethane, propane, propylene in nitrogen	2L, 4L, 8L	CH ₄ 1000 10^{-6} $U=1.5\%$ C ₂ H ₆ 1000 10^{-6} $U=1.5\%$ C ₃ H ₈ 1000 10^{-6} $U=1.5\%$ C ₃ H ₆ 10 10^{-6} $U=1.5\%$
GBW 08133	氮中丙烷、一氧化碳	Propane, carbon monoxide in nitrogen	2L, 4L, 8L	C ₃ H ₈ 800 10^{-6} $U=1\%$ CO 1.60 10^{-2} $U=1\%$
GBW 08134	氮中丙烷	Propane in nitrogen	2L, 4L, 8L	800 10^{-6} ~1.30' 10^{-2} $U=1\%$
GBW 08135	氮中氧	Oxygen in nitrogen	2L, 4L, 8L	1000 10^{-6} ~7 10^{-2} $U=1\sim0.5\%$
GBW 08136	氮中丙烷、 一氧化碳	Propane, carbon monoxide in nitrogen	2L, 4L, 8L	C ₃ H ₈ 800 10^{-6} ~1.2 10^{-2} CO 1.5 10^{-2} ~8 10^{-2} $U=1\%$
GBW 08137	氮中一氧化碳	Carbon monoxide in nitrogen	2L, 4L, 8L	0.5 10^{-2} ~8 10^{-2} $U=1\%$
GBW 08138	空气中二氧化碳	Carbon dioxide in Air	2L, 4L, 8L	330 10^{-6} ~370 10^{-6} $U=0.3\%$
GBW 08139	空气中甲烷	Methane in Air	2L, 4L, 8L	1.5 10^{-6} ~10 10^{-6} $U=0.6\%$
GBW 08201	二氧化硫渗透管	Sulfur dioxide permeation tube	/	(0.37~1.4) mg/min, 25℃ $U=1\%$
GBW 08202	二氧化氮渗透管	Nitrogen dioxide permeation tube	/	(0.6~2.0) mg/min, 25℃ $U=1\%$
GBW 08203	硫化氢渗透管	Hydrogen sulfide permeation tube	/	(0.1~1.0) mg/min, 25℃ $U=2\%$
GBW 08204	氨渗透管	Ammonia permeation tube	/	(0.1~1.0) mg/min, 25℃ $U=2\%$
GBW 08205	氯渗透管	Chlorine permeation tube	/	(0.2~2.0) mg/min, 25℃ $U=2\%$
GBW 09401	氮中氧、 二氧化碳	Oxygen, carbon dioxide in nitrogen	2L, 4L, 8L	O ₂ 21 10^{-2} CO ₂ 5 10^{-2} ~12 10^{-2} $U=0.6\%$
GBW 09402	氮中氧、一氧化碳、二 氧化碳	Oxygen, carbon dioxide, carbon monoxide in nitrogen	2L, 4L, 8L	O ₂ 21 10^{-2} , CO 0.1%, CO ₂ 0.2% $U=0.6\%$
GBW 09403	氮中氧、 氮、一氧化碳	Oxygen, helium, carbon monoxide in nitrogen	2L, 4L, 8L	O ₂ 21 10^{-2} , He 10%, CO 0.2%, $U=0.6\%$
GBW 09404	氮中氧、 氧化亚氮、一 氧化碳	Oxygen, nitrous oxide, carbon monoxide in nitrogen	2L, 4L, 8L	O ₂ 21 10^{-2} , N ₂ O 15%, CO ₂ 0.2%, $U=0.6$
GBW 06302	空气中异丁烷	iso-Butane in Air	2L, 4L, 8L	1 10^{-6} ~100 10^{-6} $U=2\%$ 100 10^{-6} ~1 10^{-2} $U=1\%$
GBW 06303	甲烷中氮、二氧化碳、正 丁烷	Nitrogen, carbon dioxide, n-butane in methane	2L, 4L, 8L	O ₂ 600 10^{-6} ~20.0 10^{-2} CO ₂ 200 10^{-6} ~20.0 10^{-2} n-C ₄ H ₁₀ 300 10^{-6} ~9.0 10^{-3} $U=1\%$

GBW 06304	氮中氧、乙烷、正丁烷	Oxygen, ethane, n-butane in nitrogen	2L, 4L, 8L	O_2 400 $10^{-6} \sim 2.50 \cdot 10^{-3}$ C_2H_6 100 $10^{-6} \sim 20.0 \cdot 10^{-2}$ $n-C_4H_{10}$ 500 $10^{-6} \sim 9.50 \cdot 10^{-3}$ $U=1\%$
GBW 06305	甲烷中丙烷、异丁烷、正丁烷	Propane, iso-butane, n-butane in methane	2L, 4L, 8L	C_3H_8 100 $10^{-6} \sim 7.00 \cdot 10^{-2}$ $i-C_4H_{10}$ 100 $10^{-6} \sim 8.50 \cdot 10^{-3}$ $n-C_4H_{10}$ 100 $10^{-6} \sim 8.50 \cdot 10^{-3}$ $U=1\%$
GBW 08150	氮中氧化亚氮	Nitrous oxide in nitrogen	2L, 4L, 8L	0.35 10^{-6} $U=5\%$
GBW 08151	氮中氧化亚氮	Nitrous oxide in nitrogen	2L, 4L, 8L	10 10^{-6} $U=3\%$
GBW 08152	氮中氧化亚氮	Nitrous oxide in nitrogen	2L, 4L, 8L	50 10^{-6} $U=1\%$
GBW 08153	氮中氧化亚氮	Nitrous oxide in nitrogen	2L, 4L, 8L	200 10^{-6} $U=1\%$
GBW 08154	空气中氧化亚氮	Nitrous oxide in Air	2L, 4L, 8L	0.35 10^{-6} $U=5\%$
GBW 08155	空气中氧化亚氮	Nitrous oxide in Air	2L, 4L, 8L	10 10^{-6} $U=3\%$
GBW 08156	空气中氧化亚氮	Nitrous oxide in Air	2L, 4L, 8L	50 10^{-6} $U=1\%$
GBW 08157	空气中氧化亚氮	Nitrous oxide in Air	2L, 4L, 8L	200 10^{-6} $U=1\%$
GBW 08206	乙醇扩散管	Ethanol diffusion tube	/	14.5mg/min $U=2\%$ 27.1mg/min $U=2\%$
GBW 08207	水扩散管	Water diffusion tube	/	5.51mg/min $U=4\%$ 9.43mg/min $U=3\%$
GBW 08208	苯扩散管	Benzene diffusion tube	/	37.4mg/min $U=2.5\%$
GBW 08209	甲苯扩散管	Toluene diffusion tube	/	3.72mg/min $U=2.5\%$ 8.44mg/min $U=2.5\%$
GBW 08210	乙苯扩散管	Ethyl benzene diffusion tube	/	6.38mg/min $U=2.5\%$ 14.7mg/min $U=2.5\%$
GBW 08211	邻二甲苯扩散管	O-xylene diffusion tube	/	2.48mg/min $U=3\%$ 6.77mg/min $U=2.5\%$
GBW 06309	高纯氩中氮	Nitrogen in Argon	2L, 4L, 8L	100 10^{-6} $U=1\%$ 1000 10^{-6} $U=1\%$ 10 10^{-2} $U=1\%$
GBW 06310	高纯氩中氧	Oxygen in Argon	2L, 4L, 8L	1000 10^{-6} $U=1\%$ 10 10^{-2} $U=1\%$
GBW 06311	高纯氩中氢	Hydrogen in Argon	2L, 4L, 8L	5 10^{-6} $U=2\%$ 1000 10^{-6} $U=1\%$ 10 10^{-2} $U=1\%$
GBW 06312	高纯氩中一氧化碳、二氧化碳、甲烷	Carbon monoxide, carbon dioxide, methane in Argon	2L, 4L, 8L	CO 10 10^{-6} $U=1\%$ CO_2 10 10^{-6} $U=1\%$ CH_4 10 10^{-6} $U=1\%$

GBW06313	甲烷中氮、氮、二氧化碳、乙烷、丙烷、正丁烷、异丁烷、正戊烷、异戊烷、新戊烷、正己烷;	Nitrogen, helium, carbon dioxide, ethane, propane, iso-butane, n-butane, n-pentane, iso-pentane, neopentane, hexane in methane	2L, 4L, 8L	N ₂ 12% U=1% He 0.5% U=1% CO ₂ 4% U=1% C ₂ H ₆ 0.75% U=1% C ₃ H ₈ 0.3% U=1% i- C ₄ H ₁₀ 0.2% U=1% n- C ₄ H ₁₀ 0.2% U=1% n- C ₅ H ₁₂ 0.05% U=2% i- C ₅ H ₁₂ 0.05% U=2% neo- C ₅ H ₁₂ 0.05% U=2% n- C ₆ H ₁₄ 0.05% U=2%
GBW06314	甲烷中氮、二氧化碳、乙烷、丙烷、正丁烷、异丁烷、正戊烷、异戊烷、新戊烷、正己烷	Nitrogen, carbon dioxide, ethane, propane, iso-butane, n-butane, n-pentane, iso-pentane, neopentane, hexane in methane	2L, 4L, 8L	N ₂ 1.2% U=1% CO ₂ 0.8% U=1% C ₂ H ₆ 11% U=1% C ₃ H ₈ 4.5% U=1% i- C ₄ H ₁₀ 0.1% U=1% n- C ₄ H ₁₀ 0.1% U=1% n- C ₅ H ₁₂ 0.05% U=2% i- C ₅ H ₁₂ 0.035% U=2% neo- C ₅ H ₁₂ 0.035% U=2% n- C ₆ H ₁₄ 0.02% U=3%
GBW06315	甲烷中氮、二氧化碳、乙烷、丙烷、正丁烷、异丁烷、正戊烷、异戊烷、新戊烷、正己烷	Nitrogen, carbon dioxide, ethane, propane, iso-butane, n-butane, n-pentane, iso-pentane, neopentane, hexane in methane	2L, 4L, 8L	N ₂ 2% U=1% CO ₂ 3% U=1% C ₂ H ₆ 0.55% U=1% C ₃ H ₈ 0.08% U=1% i- C ₄ H ₁₀ 0.01% U=1% n- C ₄ H ₁₀ 0.01% U=1% n- C ₅ H ₁₂ 0.01% U=2% i- C ₅ H ₁₂ 0.01% U=2% neo- C ₅ H ₁₂ 0.01% U=2% n- C ₆ H ₁₄ 0.01% U=4%
GBW06316	甲烷中氮、二氧化碳、乙烷、丙烷、正丁烷、异丁烷	Nitrogen, carbon dioxide, ethane, propane, iso-butane, n-butane in methane	2L, 4L, 8L	N ₂ 13.5% U=1% CO ₂ 0.5% U=1% C ₂ H ₆ 3.0% U=1% C ₃ H ₈ 0.5% U=1% n- C ₄ H ₁₀ 0.1% U=1% i- C ₄ H ₁₀ 0.1% U=1%
GBW06317	氮中氢	Hydrogen in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ ~10 10 ⁻⁶ U=2%
GBW06318	氮中氢	Hydrogen in nitrogen	2L, 4L, 8L	10 10 ⁻⁶ ~1000 10 ⁻⁶ U=1%
GBW06319	氮中氢	Hydrogen in nitrogen	2L, 4L, 8L	1000 10 ⁻⁶ ~50% U=0.5%
GBW06324	氮中硫化氢	Hydrogen sulfide in nitrogen	4L, 8L	10 10 ⁻⁶ ~100 10 ⁻⁶ U=1.5%
GBW06334	氮中甲烷	Methane in N ₂	2L, 4L, 8L	1%~10% U=0.8%
GBW06335	空气中一氧化碳	Carbon monoxide in Air	2L, 4L, 8L	(100~1000) 10 ⁻⁶ U=0.7%

GBW08140	氮中正戊烷	n-Pentane in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ ~10 10 ⁻⁶ U=5% 10 10 ⁻⁶ ~2000 10 ⁻⁶ U=3%
GBW08141	氮中异戊烷	iso-Pentane in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ ~10 10 ⁻⁶ U=5 % 10 10 ⁻⁶ ~2000 10 ⁻⁶ U=3%
GBW08142	氮中正、异戊烷	n-Pentane , iso-pentane, in nitrogen	2L, 4L, 8L	10 10 ⁻⁶ ~2000 10 ⁻⁶ U=3%
GBW08143	氮中正丁烯-1	1-Butylene in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ ~10 10 ⁻⁶ U=5% 10 10 ⁻⁶ ~500 10 ⁻⁶ U=3%
GBW08144	氮中异丁烯	iso-Butylene in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ ~10 10 ⁻⁶ U=5% 10 10 ⁻⁶ ~500 10 ⁻⁶ U=3%
GBW08145	氮中顺丁烯-2	cis-Butylene in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ ~10 10 ⁻⁶ U=5% 10 10 ⁻⁶ ~500 10 ⁻⁶ U=3%
GBW08146	氮中反丁烯-2	trans-Butylene in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ ~10 10 ⁻⁶ U=5% 10 10 ⁻⁶ ~500 10 ⁻⁶ U=3%
GBW08147	氮中 1, 2 丁二烯	1,2-Butadiene in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ ~10 10 ⁻⁶ U=5% 10 10 ⁻⁶ ~500 10 ⁻⁶ U=3%
GBW08148	氮中 1, 3 丁二烯	1.3-Butadiene in nitroge	2L, 4L, 8L	1 10 ⁻⁶ ~10 10 ⁻⁶ U=5% 10 10 ⁻⁶ ~500 10 ⁻⁶ U=3%
GBW08149	氮中正、异、顺、反、1, 2 丁二烯、1, 3 丁二烯	Butylene, iso-butylene, cis-butylene, trans-butylene, 1.2-Butadiene, 1.3-butadiene in nitrogen	2L, 4L, 8L	10 10 ⁻⁶ ~500 10 ⁻⁶ U=3%
GBW08158	氮中一氧化碳、二氧化碳、丙烷	Carbon monoxide, carbon dioxide, propane in nitrogen	2L, 4L, 8L	CO: 0.5~8% CO ₂ 4~16% C ₃ H ₈ : 0.02~1.5% U=1%
GBW08159	氮中一氧化碳、二氧化碳、丙烷、氧	Carbon monoxide, carbon dioxide, propane, oxygen in nitrogen	2L, 4L, 8L	CO: 0.5~8% U=1% CO ₂ 4~16% U=1% C ₃ H ₈ : 0.02~1.2% U=1% O ₂ : 0.5~10% U=1%
GBW08160	氮中一氧化碳、二氧化碳、丙烷、一氧化氮	Carbon monoxide, carbon dioxide, propane, nitrogen monoxide in nitrogen	2L, 4L, 8L	CO: 0.05~8% U=1% CO ₂ 0.5~16% U=1% C ₃ H ₈ : 0.005~1.2% U=1% NO: 0.005~0.3% U=1%
GBW08161	氮中苯、甲苯、乙苯、邻二甲苯、间二甲苯、对二甲苯、苯乙烯、乙酸丁酯、正己烷和十一烷	Benzene, toluene, ethyl benzene, o-xylene, m-xylene, p-xylene, styrene, butyl acetate, n-hexane, n-undecane in nitrogen.	2L, 4L, 8L	1 10 ⁻⁶ U=2.8%
GBW08162	氮中苯、甲苯、乙苯、邻二甲苯、间二甲苯、对二甲苯、苯乙烯、乙酸丁酯、正己烷和十一烷	Benzene, toluene, ethyl benzene, o-xylene, m-xylene, p-xylene, styrene, butyl acetate, n-hexane, n-undecane in nitrogen.	2L, 4L, 8L	5 10 ⁻⁶ U=2.0%
GBW08163	氮中苯、甲苯、乙苯、邻二甲苯、间二甲苯、对二甲苯、苯乙烯、乙酸丁酯、	Benzene, toluene, ethyl benzene, o-xylene, m-xylene, p-xylene, styrene, butyl acetate,	2L, 4L, 8L	25 10 ⁻⁶ U=1.7%

	正己烷和十一烷	n-hexane,n-undecane in nitrogen.		
GBW08164	氮中氟利昂 F ₂₂	Freon 22 in nitrogen	2L, 4L, 8L	10 10 ⁻⁶ U=1%
GBW08165	氮中氟利昂 F ₂₂	Freon 22 in nitrogen	2L, 4L, 8L	25 10 ⁻⁶ U=1%
GBW08166	氮中氟利昂 F ₂₂	Freon 22 in nitrogen	2L, 4L, 8L	50 10 ⁻⁶ U=1%
GBW08167	氮中氟利昂 F ₁₂	Freon 12 in nitrogen	2L, 4L, 8L	10 10 ⁻⁶ U=1%
GBW08168	氮中氟利昂 F ₁₂	Freon 12 in nitrogen	2L, 4L, 8L	25 10 ⁻⁶ U=1%
GBW08169	氮中氟利昂 F ₁₂	Freon 12 in nitrogen	2L, 4L, 8L	50 10 ⁻⁶ U=1%
GBW08170	氮中氯乙烯	Vinyl chloride in nitrogen	2L, 4L, 8L	10 10 ⁻⁶ U=1%
GBW08171	氮中氯乙烯	Vinyl chloride in nitrogen	2L, 4L, 8L	25 10 ⁻⁶ U=1%
GBW08172	氮中氯乙烯	Vinyl chloride in nitrogen	2L, 4L, 8L	50 10 ⁻⁶ U=1%
GBW08173	氮中四氟化碳	Carbor terafluoride in nitrogen	2L, 4L, 8L	20 10 ⁻⁶ ~100 10 ⁻⁶ U=1%
GBW08174	空气中四氟化碳	Carbor terafluoride in Air	2L, 4L, 8L	20 10 ⁻⁶ ~100 10 ⁻⁶ U=1%
GBW08175	氮中六氟化硫	Sulfur hexafluoride in nitrogen	2L, 4L, 8L	0.2 10 ⁻⁶ ~1 10 ⁻⁶ U=1.3%
GBW08176	空气中六氟化硫	Sulfur hexafluoride in Air	2L, 4L, 8L	1 10 ⁻⁶ ~100 10 ⁻⁶ U=1%
GBW08177	氮中氧	Oxygen in nitrogen	2L, 4L, 8L	2 10 ⁻⁶ ~10 10 ⁻⁶ U=2%
GBW08178	氮中氧	Oxygen in nitrogen	2L, 4L, 8L	10 10 ⁻⁶ ~100 10 ⁻⁶ U=1%
GBW08179	氮中氨	Ammonia in nitrogen	2L,4L,8L	50 10 ⁻⁶ ~500 10 ⁻⁶ U=2%
GBW08180	空气中二氧化氮	Nitrogen dioxide in Air	2L,4L,8L	50 10 ⁻⁶ ~1000 10 ⁻⁶ U=2%
GBW08181	空气中二氧化氮	Nitrogen dioxide in Air	2L,4L,8L	1000 10 ⁻⁶ ~5000 10 ⁻⁶ U=1%
GBW08182	氮中二氧化硫	suldioxide in nitrogen	2L,4L,8L	10 10 ⁻⁶ ~100 10 ⁻⁶ U=1.5%
GBW08182	氮中二氧化硫	suldioxide in nitrogen	2L,4L,8L	100 10 ⁻⁶ ~300 10 ⁻⁶ U=1%
GBW08183	空气中乙醇	Ethanol in Air	2L,4L,8L	20 10 ⁻⁶ ~500 10 ⁻⁶ U=1%
GBW08184	氮中二氟二氯甲烷	dichlorodifluoromethane in nitrogen	2L, 4L, 8L	(0.1~1) 10 ⁻⁶ U=1%
GBW08185	氮中二氟一氯甲烷	chlorodifluoromethane in nitrogen	2L, 4L, 8L	(0.1~1) 10 ⁻⁶ U=1%
GBW08186	氮中一氟三氯甲烷	fluorotrichloromethane in nitrogen	2L, 4L, 8L	(0.1~1) 10 ⁻⁶ U=1%
GBW08187	氮中 1,1,1-三氟 2,2,2-三氯乙烷	1,1,1-trifloro-2,2,2-trichloroethane in nitrogen	2L, 4L, 8L	(0.1~1) 10 ⁻⁶ U=1%
GBW08188	氮中 1,1,1,2-四氟乙烷	1,1,1,2-tetrafluoroethane in nitrogen	2L, 4L, 8L	(0.1~1) 10 ⁻⁶ U=1%
GBW08189	氮中 1,1,2,2-四氟乙烷	1,1,2,2-tetrafluoroethane in nitrogen	2L, 4L, 8L	(0.1~1) 10 ⁻⁶ U=1%

GBW08190	氮中八氟丙烷	octafluoropropane in nitrogen	2L, 4L, 8L	(0.1~1) 10 ⁻⁶ U=1%
GBW08191	氮中六氟乙烷	hexafluoroethane in nitrogen	2L, 4L, 8L	(0.1~1) 10 ⁻⁶ U=1%
GBW08192	氮中一氧化氮	nitrogen monoxide in N ₂	2L, 4L, 8L	(1~25) 10 ⁻⁶ U=1%
GBW08193	氮中一氧化碳	Carbon monoxide in N ₂	2L, 4L, 8L	1 10 ⁻⁶ U=0.5%
GBW08194	氮中丙烷	propane in N ₂	2L, 4L, 8L	1 10 ⁻⁶ U=0.5%
GBW08212	苯乙烯扩散管	Styrene diffusion tube	/	2.85 mg/min U=1.8%
GBW08213	硝基苯扩散管	Nitrobenzene diffusion tube	/	7.29 mg/min U=2.3%
GBW08214	氯苯扩散管	Phenyl chloride diffusion tube	/	1.12 mg/min U=2.3%
GBW08215	正己烷扩散管	n-Hexane diffusion tube	/	2.85 mg/min U=1.9%
GBW08216	十一烷扩散管	n-Undecane diffusion tube	/	2.12 mg/min U=2.3%
GBW 08195	氮中一氧化碳、二氧化碳、1,3-丁二烯混合气体	Carbon monoxide, carbon dioxide, 1,3-dibutene in nitrogen	2L, 4L, 8L	CO 2.000%~8.000% U=0.6% CO ₂ 9.400%~13.600% U=0.6% 1,3-dibutene 40.00×10 ⁻⁶ ~160.0×10 ⁻⁶ U=0.6%
GBW(E)060106	氮(空气)中甲烷、乙烷、乙烯、乙炔、丙烯、丙烷、正丁烷、异丁烷二元及多元混合气体	Binary or multicomponent mixture of Methane, ethane, ethylene, acetylene, propylene, propane, n-butane, iso-butane in nitrogen or Air	2L, 4L, 8L	CH ₄ 1 10 ⁻⁶ 1 10 ⁻² U=2.5% C ₂ H ₆ 1 10 ⁻⁶ ~1 10 ⁻² U=2.5% C ₂ H ₄ 1 10 ⁻⁶ ~1 10 ⁻² U=2.5% C ₂ H ₂ 1 10 ⁻⁶ ~1 10 ⁻² U=2.5% C ₃ H ₆ 1 10 ⁻⁶ ~1 10 ⁻² U=2.5% C ₃ H ₈ 1 10 ⁻⁶ ~1 10 ⁻² U=2.5% n-butane 100 10 ⁻⁶ ~1.5 10 ⁻² U=2.5% i-butane 1 10 ⁻⁶ ~1 10 ⁻² U=2.5%
GBW(E)060107	氮(空气)中异丁烷	iso-Butane in nitrogen or Air	2L, 4L, 8L	1 10 ⁻⁶ 100 10 ⁻⁶ U=3% 100 10 ⁻⁶ 1 10 ⁻² U=1.5%
GBW(E)060124	氮中一氧化碳	Carbon monoxide in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ U=3% (10 1000) 10 ⁻⁶ U=1.5% 1 10 ⁻² 10 10 ⁻² U=1%
GBW(E)060125	空气中一氧化碳	Carbon monoxide in Air	2L, 4L, 8L	1 10 ⁻⁶ U=3% 10 10 ⁻⁶ 1000 10 ⁻⁶ U=1.5% 1 10 ⁻² 10 10 ⁻² U=1%
GBW(E)060126	氮中二氧化碳	Carbon dioxide in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ U=3% 10 10 ⁻⁶ 1000 10 ⁻⁶ U=1.5% 1 10 ⁻² 10 10 ⁻² U=1%
GBW(E)060127	空气中二氧化碳	Carbon dioxide in Air	2L, 4L, 8L	1 10 ⁻⁶ U=3% 10 10 ⁻⁶ 1000 10 ⁻⁶ U=1.5% 1 10 ⁻² 10 10 ⁻² U=1%
GBW(E)060128	氮中一氧化碳、二氧化碳	Carbon monoxide, carbon dioxide in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ U=3% 10 10 ⁻⁶ 1000 10 ⁻⁶ U=1.5% 1 10 ⁻² 10 10 ⁻² U=1%
GBW(E)060129	空气中一氧化碳、二氧化碳	Carbon monoxide, carbon dioxide in Air	2L, 4L, 8L	1 10 ⁻⁶ U=3% 10 10 ⁻⁶ 1000 10 ⁻⁶ U=1.5% 1 10 ⁻² 10 10 ⁻² U=1%

GBW(E)060207	氮中甲硫醇	Methane thiol in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 10 10 ⁻⁶ U=10%
				10 10 ⁻⁶ 50 10 ⁻⁶ U=5%
GBW(E)060208	氮中乙硫醇	Ethane thiol in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 10 10 ⁻⁶ U=10%
				10 10 ⁻⁶ 50 10 ⁻⁶ U=5%
GBW(E)060209	氮中正丙硫醇	n-Propane thiol in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 10 10 ⁻⁶ U=10%
				10 10 ⁻⁶ 50 10 ⁻⁶ U=5%
GBW(E)060210	氮中异丙硫醇	iso-Propane thiol in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 10 10 ⁻⁶ U=10%
				10 10 ⁻⁶ 50 10 ⁻⁶ U=5%
GBW(E)060211	氮中仲丁硫醇	2-Butanethiol in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 10 10 ⁻⁶ U=10%
				10 10 ⁻⁶ 50 10 ⁻⁶ U=5%
GBW(E)060212	氮中二乙基硫醚	Diethyl sulfide in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 10 10 ⁻⁶ U=10%
				10 10 ⁻⁶ 50 10 ⁻⁶ U=5%
GBW(E)060213	氮中正丁烯-1	1-Butylene in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 500 10 ⁻⁶ U=2%
GBW(E)060214	氮中异丁烯	iso-Butylene in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 500 10 ⁻⁶ U=2%
GBW(E)060215	氮中顺丁烯-2	cis-Butylene in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 500 10 ⁻⁶ U=2%
GBW(E)060216	氮中反丁烯-2	trans-Butylene in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 500 10 ⁻⁶ U=2%
GBW(E)060217	氮中 1, 2 丁二烯	1,2-Butadiene in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 500 10 ⁻⁶ U=2%
GBW(E)060218	氮中 1, 3 丁二烯	1,3-Butadiene in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 500 10 ⁻⁶ U=2%
GBW(E)060219	氮中正、异、顺、反、1, 2 丁二烯、1, 3 丁二烯	Butylene, iso-butylene, cis-butylene, trans-butylene, 1,2-Butadiene, 1.3-butadiene in nitrogen	2L, 4L, 8L	10 10 ⁻⁶ 500 10 ⁻⁶ U=2%
GBW(E)060220	氮中正戊烷	n-Pentane in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 2000 10 ⁻⁶ U=3%
GBW(E)060221	氮中异戊烷	iso-Pentane in nitrogen	2L, 4L, 8L	1 10 ⁻⁶ 2000 10 ⁻⁶ U=3%
GBW(E)060222	氮中正、异戊烷	n-Pentane, iso-pentane, in nitrogen	2L, 4L, 8L	10 10 ⁻⁶ 2000 10 ⁻⁶ U=3%
GBW(E)080113	氮中酒精	Ethanol in nitrogen	2L, 4L, 8L	30 10 ⁻⁶ 100 10 ⁻⁶ U=5%
GBW(E)080244	氮中二氧化硫	Sulfuric dioxide in nitrogen	2L, 4L, 8L	300 10 ⁻⁶ 3000 10 ⁻⁶ U=3%
GBW(E)080245	空气中甲烷	Methane in Air	2L, 4L, 8L	0.5 10 ⁻² 3.0 10 ⁻² U=1.5%
GBW(E)080246	氮中甲烷	Methane in nitrogen	2L, 4L, 8L	0.5 10 ⁻² 3.0 10 ⁻² U=1.5%
GBW(E)080192	氮中一氧化碳、丙烷混合气体	Propane, carbon monoxide in nitrogen	2L, 4L, 8L	CO 0.5 10 ⁻² 5.0 10 ⁻² U=1% C ₃ H ₈ 800 10 ⁻⁶ ~1.3 10 ⁻² U=1%
GBW(E)060468	氩中氮	Nitrogen in argon	2L, 4L, 8L	10 10 ⁻⁶ U=4%
GBW(E)060469	氩中氧	Oxygen in argon	2L, 4L, 8L	10 10 ⁻⁶ U=2%

GBW(E)060470	氩中一氧化碳、二氧化碳、甲烷	Carbong monoxide, carbon dioxide, methane in argon	2L, 4L, 8L	CO 10 10 ⁻⁶ U=2.5% CO ₂ 10 10 ⁻⁶ U=2.5% CH ₄ 10 10 ⁻⁶ U=2.5%
GBW(E)060471	氩中氢、氧、氮	Hydrogen, oxygen, nitrogen in argon	2L, 4L, 8L	H ₂ 10 10 ⁻⁶ U=4% O ₂ 10 10 ⁻⁶ U=4% N ₂ 10 10 ⁻⁶ U=4%
GBW(E)060392	乙烯中甲烷、乙烷、丙烷、环丙烷、乙炔、正丁烷、异丁烷、丙二烯、反丁烯、顺丁烯、异丁烯、正丁烯、1, 3 丁二烯、异戊烷、正戊烷、丙炔、戊烯混合气体	Methane, ethane, propane, cyclopropane, acetylene, , n-butane, iso-butane propadiene, , trans-butylene, cis-butylene, iso-butylene, 1-butylene, 1.3-butadiene, iso-pentane n-pentane, propyne, pantaene in ethylene	2L, 4L, 8L	10 10 ⁻⁶ ~1000 10 ⁻⁶ U=3%
GBW(E)060393	丙烯中甲烷、乙烷、丙烷、环丙烷、乙炔、正丁烷、异丁烷、丙二烯、反丁烯、顺丁烯、异丁烯、正丁烯、1, 3 丁二烯、异戊烷、正戊烷、丙炔、戊烯混合气体	Methane, ethane, propane, cyclopropane, acetylene, , n-butane, iso-butane propadiene, , trans-butylene, cis-butylene, iso-butylene, 1-butylene, 1.3-butadiene, iso-pentane n-pentane, propyne, pantaene in propylene	2L, 4L, 8L	10 10 ⁻⁶ ~1000 10 ⁻⁶ U=3%
GBW(E)060394	氮中甲烷、乙烷、丙烷、环丙烷、乙炔、正丁烷、异丁烷、丙二烯、反丁烯、顺丁烯、异丁烯、正丁烯、1, 3 丁二烯、异戊烷、正戊烷、丙炔、戊烯混合气体	Methane, ethane, propane, cyclopropane, acetylene, , n-butane, iso-butane, propadiene, , trans-butylene, cis-butylene, iso-butylene, 1-butylene, 1.3-butadiene, iso-pentane n-pentane, propyne, pantaene in nitrogen	2L, 4L, 8L	10 10 ⁻⁶ ~1000 10 ⁻⁶ U=3%
GBW(E)080679	氮中苯	Benzene in nitrogen	2L, 4L, 8L	5 10 ⁻⁶ 50 10 ⁻⁶ U=3%
GBW(E)080680	氮中甲苯	Toluene in nitrogen	2L, 4L, 8L	5 10 ⁻⁶ 50 10 ⁻⁶ U=3%
GBW(E)080681	氮中乙苯	Ethyl benzene in nitrogen	2L, 4L, 8L	5 10 ⁻⁶ 50 10 ⁻⁶ U=3%
GBW(E)080682	氮中邻二甲苯	o-xylene in nitrogen	2L, 4L, 8L	5 10 ⁻⁶ 50 10 ⁻⁶ U=3%
GBW(E)130102	正十六烷/异辛烷	n-Hexadecane in isooctane	2L, 4L, 8L	1.00 10 ² 1.00 10 ⁴ (ng/μL) U=3%
GBW(E)130103	甲基对硫磷/无水乙醇	Parathion-methyl in ethanol	2L, 4L, 8L	10.0 1.00 10 ³ (ng/μL) U=3%
GBW(E)080682	三聚甲醛扩散管	1,3,5-Trioxane diffusion tube	2L, 4L, 8L	30℃, 35℃扩散率 diffusivity (1 5) (μg/min) U=2%
GBW(E)060137	氮中氧	Oxygen in Nitrogen	2L, 4L, 8L	(50~1000) 10 ⁻⁶ U=3% (5~50) 10 ⁻⁶ U=5%
GBW(E)061770	六氟化硫中一氧化碳	Carbon monoxide in sulfur hexafluoride	4L	(50~100) 10 ⁻⁶ U=2%

GBW(E)061771	六氟化硫中二氧化碳	Carbon dioxide in sulfur hexafluoride	4L	(50~100) 10^{-6} $U=2\%$
GBW(E)061772	六氟化硫中二氧化硫	Sulfur dioxide in sulfur hexafluoride	4L	(50~100) 10^{-6} $U=2\%$
GBW(E)061773	六氟化硫中四氟化碳	Carbon tetrafluoride in sulfur hexafluoride	4L	(50~100) 10^{-6} $U=2\%$
GBW(E)061774	六氟化硫中硫化氢	Hydrogen in sulfur hexafluoride	4L	(50~100) 10^{-6} $U=2\%$
GBW(E)061775	六氟化硫中氟化亚硫酸酐	Thionyl fluoride in sulfur hexafluoride	4L	(50~100) 10^{-6} $U=2\%$
GBW(E)061776	六氟化硫中氟化硫酸酐	sulfuryl fluoride in sulfur hexafluoride	4L	(50~100) 10^{-6} $U=2\%$
GBW(E)061777	氦中硫化氢	Hydrogen sulfide in helium	4L	(50~100) 10^{-6} $U=2\%$
GBW(E)061804	甲烷中氮	Nitrogen in methane	2L, 4L, 8L	(3~50) 10^{-6} $U=3.8\%$
GBW(E)061805	甲烷中氢	Hydrogen in methane	2L, 4L, 8L	(1~10) 10^{-6} $U=3.8\%$
GBW(E)061806	甲烷中一氧化碳	Carbon monoxide in methane	2L, 4L, 8L	(1~10) 10^{-6} $U=2.4\%$
GBW(E)061807	甲烷中二氧化碳	Carbon dioxide in methane	2L, 4L, 8L	(1~10) 10^{-6} $U=2.3\%$
GBW(E)061808	甲烷中乙烷	Ethane in methane	2L, 4L, 8L	(1~10) 10^{-6} $U=1.6\%$
GBW(E)061809	甲烷中乙烯	Ethene in methane	2L, 4L, 8L	(1~10) 10^{-6} $U=1.4\%$
GBW(E)061810	甲烷中丙烷	Propane in methane	2L, 4L, 8L	(1~10) 10^{-6} $U=1.8\%$
GBW(E)061811	甲烷中氮、氢、一氧化碳、二氧化碳、乙烷、乙烯和丙烷混合气体	Nitrogen, hydrogen, carbon monoxide, carbon dioxide, ethane, ethene and propane in methane	2L, 4L, 8L	(5~50) 10^{-6} $U=2.9\%$



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