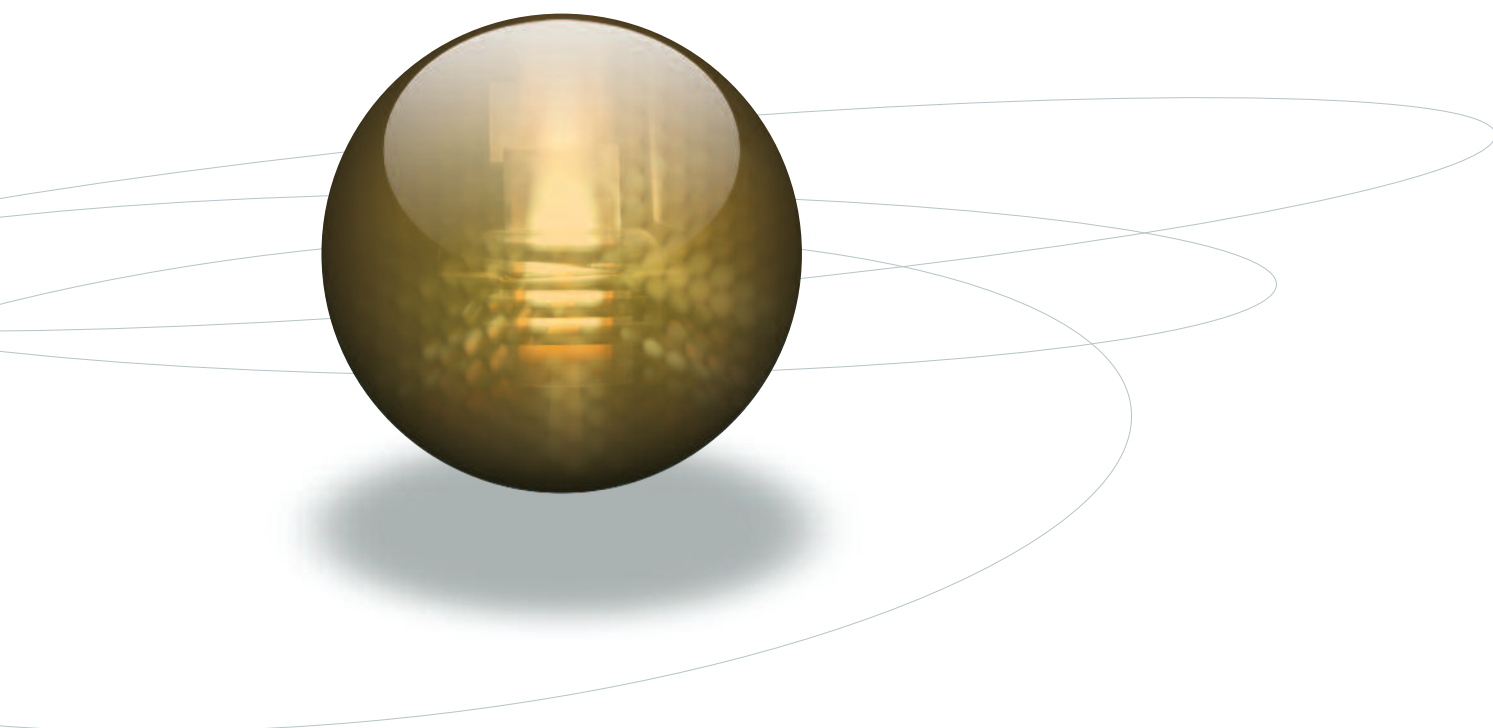


Products for ICP



Excellence through measurement

Products for ICP

Offering wide elemental coverage, increased speed of analysis and high sensitivity, ICP techniques continue to grow in popularity. Applications cover a variety of sectors, from water testing and food safety to metallurgical and petroleum analyses. Production and regulatory requirements require laboratories to test for an ever-wider range of elements and concentrations. ICP and ICP-MS techniques provide a powerful tool, but are only as reliable as the standards and consumables used to support them. For the best quality and value range of products for your ICP analyses, look no further than LGC Standards.

LGC Standards, now merged with Breittländer, provides the most comprehensive range of certified reference materials, including matrix materials, from key suppliers across the world. Breittländer has been part of LGC Standards since 2007, and is now based at our purpose-built facilities in Wesel, Germany.

Inorganic standards for ICP

Inorganic reference standards for ICP and ICP-MS as well as traditional AAS.

We supply aqueous elemental standards to meet all your needs:

- Tuning, set-up, detection limit and optimization standards
- Wavelength calibration standards
- ICP and ICP-MS calibration standards
- Single and multi-element standards
- Custom standards to meet your needs
- Standards from leading suppliers, such as ULTRA Scientific
- Second source to meet your needs for calibration and check standards

As an official distributor of ULTRA Scientific's high quality standards range, we can supply all your ICP and ICP-MS calibration standards, meeting the most exacting quality standards:

- 99.999% pure starting materials, wherever possible
- Traceable to NIST SRMs
- ASTM Type 1, 18 Megohm ultra low TOC (<50 ppb) water
- REACH compliant labelling and SDS
- ISO 9001:2000 registered quality system
- ISO 17025:2005 accredited laboratory
- MSDS prepared according to regulation (EC) No.1907/2006 (REACH)
- ISO Guide 34 accreditation.



Matrix reference materials

For method validation, as well as ongoing quality control, we offer a comprehensive range of water-based matrix CRMs.

Custom standards to meet your needs

Standards prepared to your specifications for both aqueous and organic solvents. Discover the benefits of custom standards from LGC Standards:

- Save valuable analyst time
- Reduces solvent waste – environmentally friendly and lower cost
- Traceability to NIST (inorganic only)
- Certificate of Analysis provided
- Eliminate dilution errors
- Reduce exposure to hazardous chemicals
- Availability in different volumes for your convenience and to minimize waste.
- No need to buy expensive single standards or raw materials.

Contact us today for a competitive quote.

Element in oil standards

These standards are designed specifically for the testing of oils, with a choice of single or multi-element blends at a range of concentrations.

Through partnerships with leading suppliers we offer a full product range including:

- **Base oils**

High purity mineral oils of different viscosities and all other matrix solvents such as gasoline, diesel, used oil and iso-octane are available.

- **Elements in petrochemical standards**

Single and multi-element standards can be used for calibrations and as control samples. Popular examples are the AM special for lubricants and the S21 for wear metals in oil. In addition to mineral oil standards, we can supply diesel and gasoline samples or other matrices.

- **Solvents**

High purity kerosene and all other solvents and high purity acids are available from LGC Standards. Alternatively, PremiSolv™ solvent is certified extremely low metal content with no sulfur/aromatic odour and can replace kerosene or xylene for ICP analysis.

Custom standards

From leading suppliers such as Analytical Services, Inc. and Conostan.



Certified reference materials

For validation of methods, as well as ongoing quality control, we offer a comprehensive range of matrix CRMs from suppliers including NIST, ECRM and Alpha Resources.

MEINHARD®

Meinhard consumables and accessories

For the best performance and the best value, look no further than MEINHARD® accessories for your ICP.

Superior sample introduction

Since 1974, Meinhard nebulizers have been the industry choice, and today, Meinhard nebulizers are standard on the top selling ICP and ICP-MS instruments on the market.

Meinhard products for all your ICP and ICP-MS instruments from LGC Standards offer unrivalled quality and competitive prices:

- High Efficiency Nebulizer - the top-rated glass microconcentric nebulizer.
- Direct Injection High Efficiency Nebulizer - still unmatched.
- All nebulizers are offered in quartz, or borosilicate glass, for more demanding low-background measurements.
- New high-purity quartz - TQH series. Designed primarily for ICP-MS use, providing the lowest possible elemental background as demanded by the semiconductor industry.
- Nebulizers in Teflon PFA and polypropylene from Elemental Scientific. These microconcentric nebulizers are especially useful for small-volume samples and highly-corrosive solutions like HF.



For further details, please go to:

www.lgcstandards.com or www.breitlander.com



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