

Reagecon

A CALIBRE SCIENTIFIC COMPANY



Reagecon Lithium Standard for ICP, ICP-MS 1000 µg/mL (1000 ppm) in 2-5% Nitric Acid (HNO₃)

Item No. PLI2A2



Reagecon's Lithium Standard for ICP; ICP-MS 1000 µg/mL (1000 ppm) in 2-5% Nitric Acid (HNO₃) for ICP or ICP-MS is manufactured from ultra-pure metal (99.999%). This product is manufactured gravimetrically using the mass balance approach: 100% less the sum of all impurities (w/w). Prior to bottling; the final product is tested and verified using ICP-MS and is reported using the gravimetric result; corrected for density. To a specification of ± 0.2%. The results are reported in mg/kg and mg/L on the basis of weight and density. Reagecon hold ISO 17025 accreditation (A2LA Ref: 6739.02) for calibration of laboratory balances.

Additional Details

Pack Size	100ml
Weight	0.12
Weight Unit	Kg
Tariff Code	3822 190090
Country of Origin	Ireland

Safety Information

UN Number	1760	Packing Group	III
Class	8	PG Tunnel	E

DESCRIPTION

GHS/OSHA compliant, REACH

This product is produced in a highly controlled cleanroom (ISO 7) environment, using ultra-pure water (specially treated for the production of mass spectroscopy standards), triple distilled acids and triple leached pre-cleaned bottles. The titrimetry and spectroscopy are controlled and calibrated using separate standards, so the product comes with two layers of traceability including NIST Standards, where available. All of the uncertainties of measurement for this product are calculated according to Eurachem/CITAC guidelines and reported as expanded uncertainties at the 95% confidence level.

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PRODUCT SPECIFICATIONS

ICP, ICP-MS Standard, ICP, ICP-MS Material

Value	1000 µg/mL (1000 ppm)
Additional Information	Ultrapure
Tested	Yes
Analyte	Lithium (Li₂CO₃)

Use	with ICP, ICP-MS, AA, IC, XRF and other cation measurement techniques
Packaging	HDPE Triple-leached
Physical Form	Liquid
Matrix	2-5% HNO₃

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