

Certificate of Analysis

Barium AA Standard, 1000 ppm Ba in 3% HCl

Lot Number: 4302F09

Product Number: ABA1KH

Manufacture Date: FEB 14, 2023

Expiration Date: JAN 2025

The certified value for this product is confirmed in independent testing by a second qualified chemist.
 The final solution concentration is confirmed by AA, ICP, or ICP-MS, and is traceable to NIST Standard Reference Material 3104a.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	Trace Metals
Barium Chloride	10361-37-2	High Purity

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Assay (vs. EDTA/Metalphthalein)	900-1100 ppm Ba	1000 ppm Ba	915

Specification	Reference
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Barium AA Standard, 1 mL = 1 mg Ba (1,000 ppm Ba) BaCl₂ in 3% HCl EPA (208.1)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
ABA1KH-100	100 mL natural LDPE	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Paul Brandon (02/14/2023)

Production Manager

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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