

Product Specification

Beryllium AA Standard, 1000 ppm Be in 3% HNO₃

Lot Number: SAMPLE

Product Number: ABE1KN

Manufacture Date: N/A

Expiration Date: N/A

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 3105.

| Name | CAS# | Grade |
|-------------------|-----------|-----------------|
| Water | 7732-18-5 | ACS/ASTM/USP/EP |
| Nitric Acid | 7697-37-2 | Trace Metals |
| Beryllium | 7440-41-7 | High Purity |
| Hydrofluoric Acid | 7664-39-3 | Trace Metals |

| Test | Specification | Result | NIST SRM# |
|----------------|------------------|--------|-----------|
| Appearance | Colorless liquid | N/A | |
| Beryllium (Be) | 995-1005 ppm | N/A | 3105 |

| Specification | Reference |
|--|-------------|
| Beryllium AA Standard, 1 mL = 1 mg Be (1,000 ppm Be) Be in 3% HNO ₃ | EPA (200.9) |

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) |
|-------------|---------------------|---------------------------------|
| ABE1KN-100 | 100 mL natural LDPE | 24 months |
| ABE1KN-500 | 500 mL natural poly | 24 months |

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

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

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