

Certificate of Analysis

Potassium Nitrate, 10% (w/v)

Lot Number: 16030645

Product Number: 6317

Manufacture Date: MAR 16, 2026

Expiration Date: FEB 2028

This product is suitable for use as an outer filling solution for many Chloride, Cupric, Lead, Silver/Sulfide, and Thiocyanate Ion Selective Electrodes (ISE). Consult your electrode manual.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Nitrate	7757-79-1	ACS

Test	Specification	Result
Appearance	Colorless liquid	Passed
Assay (by Refractive Index)	9.4-10.6 % (w/v)	10.1 % (w/v)

Specification	Reference
Potassium Nitrate Solution (100 g/L)	ASTM (D 2384)
Potassium Nitrate (10%)	EPA (SW-846) (9076)

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)
6317-4	120 mL natural poly	24 months

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



Ernest Mahan (03/16/2026)
 Plant Manager

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