

Product Specification

Cation Mixed Standard Solution, 1000 ppm Li, Na, NH₄, K, Mg, Ca

Lot Number: SAMPLE

Product Number: R1854100

Manufacture Date: N/A

Expiration Date: N/A

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Magnesium Nitrate Hexahydrate	13446-18-9	High Purity
Lithium Chloride	7447-41-8	High Purity
Calcium Chloride Dihydrate	10035-04-8	High Purity
Ammonium Chloride	12125-02-9	High Purity
Potassium Nitrate	7757-79-1	High Purity
Sodium Chloride	7647-14-5	High Purity

Test	Specification	Result	NIST SRM#
Ammonium (NH ₄)	995-1005 ppm NH ₄	N/A	
Appearance	Colorless liquid	N/A	
Calcium (Ca)	995-1005 ppm	N/A	3109
Lithium (Li)	995-1005 ppm	N/A	3129
Magnesium (Mg)	995-1005 ppm	N/A	3131
Potassium (K)	995-1005 ppm	N/A	3141
Sodium (Na)	995-1005 ppm	N/A	3152

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)
R1854100-500A	500 mL natural poly	12 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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