RICCA CHEMICAL COMPANY®

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Product Specification

Multi-Ion Standard
100 ppm each Ca^{2+}, Mg^{2+}, Na^{+}, NH_4^{+}, Li^{+}, K^{+} for Ion Chromatography

Lot Number: SAMPLE **Product Number:** MSTD200

Manufacture Date: N/A
Expiration Date: N/A

This solution is intended for use as a quality control standard for Ion Chromatography. It is a multicomponent solution that was prepared gravimetrically. The relative uncertainty associated with the certified values is ± 0.5%.

Matrix: Water

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP

Test	Specification	Result
Appearance	Colorless liquid	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade
Magnesium (Mg)	99.5-100.5 ppm	Magnesium Chloride	7786-30-3	High Purity
Lithium (Li)	99.5-100.5 ppm	Lithium Chloride	7447-41-8	High Purity
Calcium (Ca)	99.5-100.5 ppm	Calcium Chloride Dihydrate	10035-04-8	High Purity
Ammonium (NH4)	99.5-100.5 ppm	Ammonium Chloride	12125-02-9	High Purity
Sodium (Na)	99.5-100.5 ppm	Sodium Chloride	7647-14-5	High Purity
Potassium (K)	99.5-100.5 ppm	Potassium Chloride	7447-40-7	High Purity

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)
MSTD200-4	120 mL natural poly	12 months

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