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Product Specification

Multi-Ion Standard 100 ppm each Cl, NO₂, NO₃, SO₄, F, PO₄, C₂O₄ for Ion Chromatography

Lot Number: SAMPLE Product Number: MSTD100

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 $\pm 0.5\%$. Refrigeration is recommended to improve the stability of this product.

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
Fluoride (F)	99.5-100.5 ppm	Sodium Fluoride	7681-49-4	High Purity
Chloride (Cl)	99.5-100.5 ppm	Potassium Chloride	7447-40-7	High Purity
Sulfate (SO4)	99.5-100.5 ppm	Potassium Sulfate	7778-80-5	High Purity
Oxalate (C2O4)	99.5-100.5 ppm	Sodium Oxalate	62-76-0	ACS
Nitrite (NO2)	99.5-100.5 ppm	Sodium Nitrite	7632-00-0	ACS
Phosphate (PO4)	99.5-100.5 ppm	Potassium Dihydrogen Phosphate	7778-77-0	High Purity
Nitrate (NO3)	99.5-100.5 ppm	Sodium Nitrate	7631-99-4	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)
MSTD100-16	500 mL amber glass	12 months
MSTD100-4	120 mL amber glass	12 months

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

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This test report shall not be re	produced, except in full, without the writte	en approval of Ricca Chemical Company.	