

Product Specification

Mixed ICP Standard
2.5 ppm Al, B, Ba, Ca, Fe, K, Li, Mg, Mn, Na, Pb, Sr, Zn in 3% HNO₃
Lot Number: SAMPLE
Product Number: RPMX103N
Manufacture Date: N/A
Expiration Date: N/A
Matrix: 3% Nitric Acid

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals

Test	Specification	Result
Appearance	Colorless liquid	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Aluminum (Al)	2.48-2.52 ppm	Aluminum Nitrate Nonahydrate	7784-27-2	High Purity	3101
Lithium (Li)	2.48-2.52 ppm	Lithium Nitrate	7790-69-4	High Purity	3129
Boron (B)	2.48-2.52 ppm	Boric Acid	10043-35-3	High Purity	3107
Potassium (K)	2.48-2.52 ppm	Potassium Nitrate	7757-79-1	High Purity	3141
Sodium (Na)	2.48-2.52 ppm	Sodium Carbonate	497-19-8	High Purity	3152
Calcium (Ca)	2.48-2.52 ppm	Calcium Carbonate	471-34-1	High Purity	3109
Strontium (Sr)	2.48-2.52 ppm	Strontium Nitrate	10042-76-9	High Purity	3153
Barium (Ba)	2.48-2.52 ppm	Barium Nitrate	10022-31-8	High Purity	3104
Zinc (Zn)	2.48-2.52 ppm	Zinc	7440-66-6	High Purity	3168
Manganese (Mn)	2.48-2.52 ppm	Manganese	7439-96-5	High Purity	3132
Magnesium (Mg)	2.48-2.52 ppm	Magnesium	7439-95-4	High Purity	3131
Lead (Pb)	2.48-2.52 ppm	Lead	7439-92-1	High Purity	3128
Iron (Fe)	2.48-2.52 ppm	Iron	7439-89-6	High Purity	3126

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)
RPMX103N-1N	1 L 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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