

Product Specification

Mixed ICP Std: 1000 ppm Ca/Mg, 600 ppm Sr/K, 400 ppm Ba, 50ppm P, 20 ppm Fe, 4 ppm Mn, 2 ppm Zn, 1

Lot Number: SAMPLE

Product Number: RPMX116N

Manufacture Date: N/A

Recommended Retest Date: N/A

Matrix: 3% HNO₃

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

Test	Specification	Result
Appearance	clear, colorless	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Calcium (Ca)	990-1010 ppm	Calcium Carbonate	471-34-1	High Purity	3109
Strontium (Sr)	594-606 ppm	Strontium Nitrate	10042-76-9	High Purity	3153
Potassium (K)	594-606 ppm	Potassium Carbonate	584-08-7	High Purity	3141
Magnesium (Mg)	990-1010 ppm	Magnesium	7439-95-4	High Purity	3131
Barium (Ba)	396-404 ppm	Barium Nitrate	10022-31-8	High Purity	3104
Phosphorus (P)	49.5-50.5	Ammonium Dihydrogen Phosphate	7722-76-1	High Purity	3139
Iron (Fe)	19.8-20.2 ppm	Iron	7439-89-6	High Purity	3126
Manganese (Mn)	3.96-4.04 ppm	Manganese	7439-96-5	High Purity	3132
Zinc (Zn)	1.98-2.02 ppm	Zinc	7440-66-6	High Purity	3168
Lead (Pb)	0.99-1.01 ppm	Lead	7439-92-1	High Purity	3128

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)
RPMX116N-500N	500 mL natural poly	12 months

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

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