

Product Specification

Multielement ICP Standard, 7 elements @ 1,000 ppm in 5% HNO₃

Lot Number: SAMPLE**Product Number:** RPMX013N**Manufacture Date:** N/A**Expiration Date:** N/A

This is a multielement solution that was prepared gravimetrically to contain the elements and concentrations stated below. The uncertainty associated with the certified values is $\pm 0.5\%$ relative. The concentrations are confirmed by ICP or ICP-MS.

Matrix: 5% 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#
Phosphorus (P)	900-1100 ppm	Ammonium Dihydrogen Phosphate	7722-76-1	High Purity	3139
Strontium (Sr)	900-1100 ppm	Strontium Nitrate	10042-76-9	High Purity	3153
Sodium (Na)	900-1100 ppm	Sodium Carbonate	497-19-8	High Purity	3152
Barium (Ba)	900-1100 ppm	Barium Nitrate	10022-31-8	High Purity	3104
Potassium (K)	900-1100 ppm	Potassium Carbonate	584-08-7	High Purity	3141
Magnesium (Mg)	900-1100 ppm	Magnesium Oxide	1309-48-4	High Purity	3131
Manganese (Mn)	900-1100 ppm	Manganese	7439-96-5	High Purity	3132

This standard is guaranteed to be stable and accurate provided the product is kept tightly capped and stored under normal laboratory conditions. Balances are calibrated using NIST traceable weights whose verification of maintenance and recalibration is documented per in-house Standard Operating Procedures. Class A glassware is also calibrated and routinely rechecked per in-house Standard Operating Procedures. Trace metal analyzed acids and Trace Metals Analyzed Water are used in the manufacture of this product. Triple cleaned containers are used in the manufacture of this product.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
RPMX013N-500N	500 mL natural poly	12 months

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

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