

Product Specification

ICP Blend in 5% Nitric acid, Ca, K, Mg, Na, Fe, 1000 ppm each

Lot Number: SAMPLE

Product Number: RPMX132N

Manufacture Date: N/A

Recommended Retest Date: N/A

This is a multielement solution that was prepared volumetrically 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	Clear to slightly yellow liquid	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Potassium (K)	999.0-1000.0 ppm	Potassium Nitrate	7757-79-1	High Purity	3141
Calcium (Ca)	999.0-1000.0 ppm	Calcium Carbonate	471-34-1	High Purity	3109
Sodium (Na)	999.0-1000.0 ppm	Sodium Carbonate	497-19-8	High Purity	3152
Magnesium (Mg)	999.0-1000.0 ppm	Magnesium	7439-95-4	High Purity	3131
Iron (Fe)	999.0-1000.0 ppm	Iron	7439-89-6	High Purity	3126

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)
RPMX132N-100N	100 mL natural LDPE	12 months
RPMX132N-500N	500 mL 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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