

# Product Specification

ICP blend 4, B, Na, Mg, Ca, P, Sr, Fe, K, Mn, Ba in 5% Nitric acid

Lot Number: SAMPLE

Product Number: RPMX154N

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, colorless liquid	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Manganese (Mn)	99-101	Manganese	7439-96-5	High Purity	3132
Sodium (Na)	4950-5050	Sodium Carbonate	497-19-8	High Purity	3152
Calcium (Ca)	990-1010	Calcium Carbonate	471-34-1	High Purity	3109
Boron (B)	99-101	Ammonium Tetrafluoroborate	13826-83-0	High Purity	3107
Potassium (K)	495-505	Potassium Carbonate	584-08-7	High Purity	3141
Barium (Ba)	99-101	Barium Nitrate	10022-31-8	High Purity	3104
Strontium (Sr)	99-100	Strontium Carbonate	1633-05-2	High Purity	3153
Magnesium (Mg)	99-101	Magnesium	7439-95-4	High Purity	3131
Iron (Fe)	99-100	Iron	7439-89-6	High Purity	3126
Phosphorus (P)	0.9-1.1	Ammonium Dihydrogen Phosphate	7722-76-1	High Purity	3139

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)
RPMX154N-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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