

Product Specification

ICP Blend: 9 elements (low)
200 Ca, 100 Mg, 50 P, 25 K, 20 Zn, 12 B, 10 Fe, 4 Cu, 2.5 Mn
Lot Number: SAMPLE
Product Number: RPMX063N
Manufacture Date: N/A
Recommended Retest 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	clear to slight yellow	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Calcium (Ca)	195-205	Calcium Carbonate	471-34-1	High Purity	3109
Phosphorus (P)	49-51	Ammonium Dihydrogen Phosphate	7722-76-1	High Purity	3139
Boron (B)	11-13	Ammonium Tetrafluoroborate	13826-83-0	High Purity	3107
Magnesium (Mg)	95-105	Magnesium	7439-95-4	High Purity	3131
Potassium (K)	24-26	Potassium Nitrate	7757-79-1	High Purity	3141
Zinc (Zn)	19-21	Zinc	7440-66-6	High Purity	3168
Iron (Fe)	9.5-10.5	Iron	7439-89-6	High Purity	3126
Copper (Cu)	3.5-4.5	Copper	7440-50-8	High Purity	3114
Manganese (Mn)	2.0-3.0	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)
RPMX063N-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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