

Product Specification

1ppm As,Cr,Ni,Cd/20ppm Mn,Pb/50ppm Al,Cu/100ppm Fe/200ppm Zn/300ppm P /3% HNO₃

Lot Number: SAMPLE

Product Number: Mixed ICP Std

Manufacture Date: N/A

Recommended Retest Date: N/A

Matrix: 3% 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	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Phosphorus (P)	297-303	Ammonium Dihydrogen Phosphate	7722-76-1	High Purity	3139
Aluminum (Al)	49.5-50.5 ppm	Aluminum Nitrate Nonahydrate	7784-27-2	High Purity	3101
Zinc (Zn)	198-202 ppm	Zinc	7440-66-6	High Purity	3168
Iron (Fe)	99-101 ppm	Iron	7439-89-6	High Purity	3126
Copper (Cu)	49.5-50.5	Copper	7440-50-8	High Purity	3114
Manganese (Mn)	19.8-20.2 ppm	Manganese	7439-96-5	High Purity	3132
Lead (Pb)	19.8-20.2 ppm	Lead	7439-92-1	High Purity	3128
Chromium (Cr)	0.99-1.01	Chromium Nitrate Nonahydrate	7789-02-8	High Purity	3112
Cadmium (Cd)	0.99-1.01	Cadmium	7440-43-9	High Purity	3108
Arsenic (As)	0.99-1.01	Arsenic	7440-38-2	High Purity	3103
Nickel (Ni)	0.99-1.01	Nickel	7440-02-0	High Purity	3136

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)
RPMX121N-100N	100 mL natural LDPE	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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