

# Product Specification

## ICP blend, 8 Elements in 5% HNO3

**Lot Number:** SAMPLE

**Product Number:** RPMX0300

**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 / water

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Hydrofluoric Acid	7664-39-3	Trace Metals

Test	Specification	Result
Appearance	clear, slight color	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Chromium (Cr)	9.9-10.1 ppm	Chromium Nitrate Nonahydrate	7789-02-8	High Purity	3112
Copper (Cu)	9.9-10.1 ppm	Copper	7440-50-8	High Purity	3114
Cadmium (Cd)	9.9-10.1 ppm	Cadmium	7440-43-9	High Purity	3108
Arsenic (As)	9.9-10.1 ppm	Arsenic	7440-38-2	High Purity	3103
Nickel (Ni)	9.9-10.1 ppm	Nickel	7440-02-0	High Purity	3136
Lead (Pb)	9.9-10.1 ppm	Lead	7439-92-1	High Purity	3128
Vanadium (V)	0.9-1.1 ppm	Vanadium	7440-62-2	High Purity	3165
Molybdenum (Mo)	0.9-1.1 ppm	Molybdenum	7439-98-7	High Purity	3134

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)
RPMX0300-100N	100 mL natural LDPE	12 months

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

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.