

Product Specification

ICP Blend, 8 elements @ 1,000 ppm in 5% HNO₃

Lot Number: SAMPLE

Product Number: RPMX017N

Manufacture Date: N/A

Expiration 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
Hydrofluoric Acid	7664-39-3	Trace Metals

Test	Specification	Result
Appearance	Red-brown liquid	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Lithium (Li)	995-1005 ppm	Lithium Nitrate	7790-69-4	High Purity	3129
Zirconium (Zr)	995-1005 ppm	Zirconyl Nitrate	13826-66-9	High Purity	3169
Strontium (Sr)	995-1005 ppm	Strontium Nitrate	10042-76-9	High Purity	3153
Selenium (Se)	995-1005 ppm	Selenium	7782-49-2	High Purity	3149
Cobalt (Co)	995-1005 ppm	Cobalt	7440-48-4	High Purity	3113
Tin (Sn)	995-1005 ppm	Tin	7440-31-5	High Purity	3161
Nickel (Ni)	995-1005 ppm	Nickel	7440-02-0	High Purity	3136
Molybdenum (Mo)	995-1005 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)
RPMX017N-250N	250 mL natural poly	12 months
RPMX017N-500N	500 mL natural poly	12 months

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

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