

# Product Specification

ICP mix, Al, Ca, Cu, Fe, K, Mg, Na, Pb, 100ppm each in 5% Nitric acid

Lot Number: SAMPLE

Product Number: RICP7041

Manufacture Date: N/A

Recommended Retest Date: N/A

Matrix: 5% Nitric Acid

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Hydrochloric Acid	7647-01-0	Trace Metals

Test	Specification	Result
Appearance	Clear, Colorless	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Potassium (K)	99.5-100.5 ppm	Potassium Nitrate	7757-79-1	High Purity	3141
Calcium (Ca)	99.5-100.5 ppm	Calcium Carbonate	471-34-1	High Purity	3109
Sodium (Na)	99.5-100.5 ppm	Sodium Carbonate	497-19-8	High Purity	3152
Copper (Cu)	99.5-100.5 ppm	Copper	7440-50-8	High Purity	3114
Magnesium (Mg)	99.5-100.5 ppm	Magnesium	7439-95-4	High Purity	3131
Lead (Pb)	99.5-100.5 ppm	Lead	7439-92-1	High Purity	3128
Iron (Fe)	99.5-100.5 ppm	Iron	7439-89-6	High Purity	3126
Aluminum (Al)	99.5-100.5 ppm	Aluminum	7429-90-5	High Purity	3101

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)
RICP7041-500N	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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