

Product Specification

ICP Standard 5

Lot Number: SAMPLE

Product Number: RICP7040

Manufacture Date: N/A

Expiration 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
Hydrofluoric Acid	7664-39-3	Trace Metals

Test	Specification	Result
Appearance	Colorless to light yellow-brown liquid	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Sodium (Na)	3600-4400 ppm	Sodium Carbonate	497-19-8	High Purity	3152
Potassium (K)	360-440 ppm	Potassium Nitrate	7757-79-1	High Purity	3141
Calcium (Ca)	360-440 ppm	Calcium Carbonate	471-34-1	High Purity	3109
Barium (Ba)	360-440 ppm	Barium Nitrate	10022-31-8	High Purity	3104
Boron (B)	63-77 ppm	Ammonium Tetrafluoroborate	13826-83-0	High Purity	3107
Iron (Fe)	360-440 ppm	Iron	7439-89-6	High Purity	3126
Lithium (Li)	18-22 ppm	Lithium Nitrate	7790-69-4	High Purity	3129
Strontium (Sr)	63-77 ppm	Strontium Nitrate	10042-76-9	High Purity	3153
Phosphorus (P)	36-44 ppm	Ammonium Dihydrogen Phosphate	7722-76-1	High Purity	3139
Silicon (Si)	13.5-16.5 ppm	Ammonium Hexafluorosilicate (IV)	16919-19-0	High Purity	3150
Magnesium (Mg)	63-77 ppm	Magnesium	7439-95-4	High Purity	3131
Aluminum (Al)	3.6-4.4 ppm	Aluminum Nitrate Nonahydrate	7784-27-2	High Purity	3101
Zinc (Zn)	3.6-4.4 ppm	Zinc	7440-66-6	High Purity	3168
Manganese (Mn)	3.6-4.4 ppm	Manganese	7439-96-5	High Purity	3132
Lead (Pb)	3.6-4.4 ppm	Lead	7439-92-1	High Purity	3128

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)
RICP7040-1N	1 L natural poly	12 months

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

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