

Product Specification

Instrument Check Standard 3

Lot Number: SAMPLE

Product Number: RINSTCK3

Manufacture Date: N/A

Expiration Date: N/A

This is a multielement solution that was prepared gravimetrically 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: 2% Nitric Acid / trace HF

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Ammonium Sulfate	7783-20-2	High Purity
Hydrofluoric Acid	7664-39-3	Trace Metals

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
Sulfur (S)	99.5-100.5 ppm	N/A	3154

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Phosphorus (P)	99.5-100.5 ppm	Ammonium Dihydrogen Phosphate	7722-76-1	High Purity	3139
Lithium (Li)	19.9-20.1 ppm	Lithium Nitrate	7790-69-4	High Purity	3129
Potassium (K)	99.5-100.5 ppm	Potassium Carbonate	584-08-7	High Purity	3141
Sodium (Na)	19.9-20.1 ppm	Sodium Carbonate	497-19-8	High Purity	3152
Scandium (Sc)	19.9-20.1 ppm	Scandium Oxide	12060-08-1	High Purity	3148
Lanthanum (La)	19.9-20.1 ppm	Lanthanum Oxide	1312-81-8	High Purity	3127
Arsenic (As)	19.9-20.1 ppm	Arsenic	7440-38-2	High Purity	3103
Nickel (Ni)	19.9-20.1 ppm	Nickel	7440-02-0	High Purity	3136
Molybdenum (Mo)	19.9-20.1 ppm	Molybdenum	7439-98-7	High Purity	3134
Manganese (Mn)	19.9-20.1 ppm	Manganese	7439-96-5	High Purity	3132

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)
RINSTCK3-100	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.