

Product Specification

Interference Ck Std, 15 element

Lot Number: SAMPLE

Product Number: RINFCK15

Manufacture Date: N/A

Recommended Retest Date: N/A

This is a multielement blend solution that was prepared volumetrically to contain the certified values reported. The uncertainty associated with the certified values is the sum of the estimated errors due to the purity of the raw material, the volumetric preparation of the solution, and transpiration of the solution through the container wall.

The final solution concentrations are confirmed by ICP or ICP-MS.

Matrix: 5% nitric acid in water

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Ammonium Dihydrogen Phosphate	7722-76-1	High Purity

Test	Specification	Result
Appearance	clear to slight yellow	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Aluminum (Al)	9900-10100	Aluminum Nitrate Nonahydrate	7784-27-2	High Purity	3101
Magnesium (Mg)	9900-10100	Magnesium	7439-95-4	High Purity	3131
Lead (Pb)	9900-10100	Lead	7439-92-1	High Purity	3128
Iron (Fe)	9900-10100	Iron	7439-89-6	High Purity	3126
Calcium (Ca)	990-1010	Calcium Carbonate	471-34-1	High Purity	3109
Manganese (Mn)	990-1010	Manganese	7439-96-5	High Purity	3132
Chromium (Cr)	99-101	Ammonium Dichromate	7789-09-5	High Purity	3112
Vanadium (V)	99-101	Ammonium Metavanadate	7803-55-6	High Purity	3165
Zinc (Zn)	99-101	Zinc	7440-66-6	High Purity	3168
Copper (Cu)	99-101	Copper	7440-50-8	High Purity	3114
Cobalt (Co)	99-101	Cobalt	7440-48-4	High Purity	3113
Cadmium (Cd)	99-101	Cadmium	7440-43-9	High Purity	3108
Arsenic (As)	99-101	Arsenic	7440-38-2	High Purity	3103
Nickel (Ni)	99-101	Nickel	7440-02-0	High Purity	3136

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
RINFCK15-100N	100 mL natural LDPE	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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