

# Product Specification

## Interference Check Standard 5

**Lot Number:** SAMPLE

**Product Number:** RINFCK5

**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  $\pm 1\%$  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

Test	Specification	Result
Appearance	Yellow liquid	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Aluminum (Al)	1188-1212 ppm	Aluminum Nitrate Nonahydrate	7784-27-2	High Purity	3101
Calcium (Ca)	5940-6060 ppm	Calcium Carbonate	471-34-1	High Purity	3109
Iron (Fe)	4950-5050 ppm	Iron	7439-89-6	High Purity	3126
Magnesium (Mg)	2970-3030 ppm	Magnesium	7439-95-4	High Purity	3131
Sodium (Na)	990-1010 ppm	Sodium Carbonate	497-19-8	High Purity	3152

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)
RINFCK5-100	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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