

Product Specification

Instrument Calibration Standard 2

Lot Number: SAMPLE

Product Number: RINSTCL2

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: 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	Colorless liquid	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Chromium (Cr)	99.5-100.5 ppm	Chromium Nitrate Nonahydrate	7789-02-8	High Purity	3112
Nickel (Ni)	399.5-400.5 ppm	Nickel	7440-02-0	High Purity	3136
Zinc (Zn)	199.5-200.5 ppm	Zinc	7440-66-6	High Purity	3168
Manganese (Mn)	149.5-150.5 ppm	Manganese	7439-96-5	High Purity	3132
Silver (Ag)	99.5-100.5 ppm	Silver	7440-22-4	High Purity	3151

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)
RINSTCL2-100	100 mL amber 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."

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.