

Product Specification

Continuing Calibration Verification Standard 1, CLP

Lot Number: SAMPLE

Product Number: RCCV1

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
Hydrofluoric Acid	7664-39-3	Trace Metals

Test	Specification	Result
Appearance	Colorless liquid	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Aluminum (Al)	995-1005 ppm	Aluminum Nitrate Nonahydrate	7784-27-2	High Purity	3101
Calcium (Ca)	2495-2505 ppm	Calcium Carbonate	471-34-1	High Purity	3109
Sodium (Na)	2495-2505 ppm	Sodium Carbonate	497-19-8	High Purity	3152
Potassium (K)	2495-2505 ppm	Potassium Carbonate	584-08-7	High Purity	3141
Magnesium (Mg)	2495-2505 ppm	Magnesium	7439-95-4	High Purity	3131
Barium (Ba)	995-1005 ppm	Barium Nitrate	10022-31-8	High Purity	3104
Iron (Fe)	499.5-500.5 ppm	Iron	7439-89-6	High Purity	3126
Chromium (Cr)	50.0-50.1 ppm	Chromium Nitrate Nonahydrate	7789-02-8	High Purity	3112
Cobalt (Co)	249.5-250.5 ppm	Cobalt	7440-48-4	High Purity	3113
Vanadium (V)	249.5-250.5 ppm	Vanadium	7440-62-2	High Purity	3165
Nickel (Ni)	199.5-200.5 ppm	Nickel	7440-02-0	High Purity	3136
Copper (Cu)	124.5-125.5 ppm	Copper	7440-50-8	High Purity	3114
Zinc (Zn)	99.5-100.5 ppm	Zinc	7440-66-6	High Purity	3168
Manganese (Mn)	75.0-75.1 ppm	Manganese	7439-96-5	High Purity	3132
Silver (Ag)	49.9-50.0 ppm	Silver	7440-22-4	High Purity	3151
Beryllium (Be)	25.0-25.1 ppm	Beryllium	7440-41-7	High Purity	3105

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)
RCCV1-100	100 mL natural LDPE	12 months

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

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