

Product Specification

Mixed Calibration Standard 2A, ICP, Rev 3.3

Lot Number: SAMPLE**Product Number:** RMXCL2A**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
Ammonium Hydroxide	1336-21-6	Trace Metals

Test	Specification	Result
Appearance	Colorless liquid	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Potassium (K)	199-201 ppm	Potassium Carbonate	584-08-7	High Purity	3141
Lithium (Li)	49.7-50.3 ppm	Lithium Carbonate, 6Li ₂ CO ₃	554-13-2	High Purity	3129
Sodium (Na)	99.5-100.5 ppm	Sodium Carbonate	497-19-8	High Purity	3152
Molybdenum (Mo)	99.5-100.5 ppm	Ammonium Molybdate	13106-76-8	High Purity	3134
Strontium (Sr)	9.95-10.05 ppm	Strontium Nitrate	10042-76-9	High Purity	3153

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)
RMXCL2A-500	500 mL natural poly	12 months

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

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