

Product Specification

Quality Control Standard 2

Lot Number: SAMPLE

Product Number: 6587

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 $\pm 0.5\%$ relative. The concentrations are confirmed by ICP or ICP-MS.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Chromium Nitrate Nonahydrate	7789-02-8	High Purity
Calcium Carbonate	471-34-1	High Purity
Selenium	7782-49-2	High Purity
Zinc	7440-66-6	High Purity
Vanadium	7440-62-2	High Purity
Copper	7440-50-8	High Purity
Cobalt	7440-48-4	High Purity
Cadmium	7440-43-9	High Purity
Beryllium	7440-41-7	High Purity
Arsenic	7440-38-2	High Purity
Thallium	7440-28-0	High Purity
Nickel	7440-02-0	High Purity
Manganese	7439-96-5	High Purity
Magnesium	7439-95-4	High Purity
Lead	7439-92-1	High Purity
Iron	7439-89-6	High Purity
Ammonium Hydroxide	1336-21-6	Trace Metals
Hydrofluoric Acid	7664-39-3	Trace Metals
Antimony Trioxide	1309-64-4	High Purity
Ammonium Molybdate	13106-76-8	High Purity
Ammonium Hexafluorotitanate	16962-40-6	High Purity

Test	Specification	Result	NIST SRM#
Antimony (Sb)	99.5-100.5 ppm	N/A	3102
Appearance	Colorless to slightly colored liquid	N/A	
Arsenic (As)	99.5-100.5 ppm	N/A	3103
Beryllium (Be)	99.5-100.5 ppm	N/A	3105
Cadmium (Cd)	99.5-100.5 ppm	N/A	3108
Calcium (Ca)	99.5-100.5 ppm	N/A	3109
Chromium (Cr)	99.5-100.5 ppm	N/A	3112
Cobalt (Co)	99.5-100.5 ppm	N/A	3113

Copper (Cu)	99.5-100.5 ppm	N/A	3114
Iron (Fe)	99.5-100.5 ppm	N/A	3126
Lead (Pb)	99.5-100.5 ppm	N/A	3128
Magnesium (Mg)	99.5-100.5 ppm	N/A	3131
Manganese (Mn)	99.5-100.5 ppm	N/A	3132
Molybdenum (Mo)	99.5-100.5 ppm	N/A	3134
Nickel (Ni)	99.5-100.5 ppm	N/A	3136
Selenium (Se)	99.5-100.5 ppm	N/A	3149
Thallium (Tl)	99.5-100.5 ppm	N/A	3158
Titanium (Ti)	99.5-100.5 ppm	N/A	3162
Vanadium (V)	99.5-100.5 ppm	N/A	3165
Zinc (Zn)	99.5-100.5 ppm	N/A	3168

Specification	Reference
Quality Control Standard 2, for use in EPA Method 200.7	EPA (200.7)
Quality Control Standard	EPA (SW-846) (6010)

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)
6587-4	120 mL natural poly	18 months

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

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