

# Product Specification

## ICP 6 Standard #2

**Lot Number:** SAMPLE

**Product Number:** RICP6200

**Manufacture Date:** N/A

**Expiration Date:** N/A

This is a multielement blend solution that was prepared volumetrically to contain the certified values reported. The uncertainty associated with the certified values is the sum of the estimated errors due to the purity of the raw material, the volumetric preparation of the solution, and transpiration of the solution through the container wall.

The final solution concentrations are confirmed by AA, 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	Blue liquid	N/A

Analyte	Analysis (ppm)	Solute	CAS#	Grade	NIST SRM#
Barium (Ba)	995-1005 ppm	Barium Nitrate	10022-31-8	High Purity	3104
Potassium (K)	995-1005 ppm	Potassium Carbonate	584-08-7	High Purity	3141
Zinc (Zn)	995-1005 ppm	Zinc	7440-66-6	High Purity	3168
Copper (Cu)	995-1005 ppm	Copper	7440-50-8	High Purity	3114
Molybdenum (Mo)	995-1005 ppm	Molybdenum	7439-98-7	High Purity	3134
Manganese (Mn)	995-1005 ppm	Manganese	7439-96-5	High Purity	3132
Lead (Pb)	995-1005 ppm	Lead	7439-92-1	High Purity	3128

Specification	Reference
ICP 6 Standard #2	EPA (200.7)
ICP 6 Standard #2	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)
RICP6200-100N	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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