

# Product Specification

## ICP-MS Internal Standard 1, Method 200.8

**Lot Number:** SAMPLE

**Product Number:** RMSIS1

**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:** 2% 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#
Scandium (Sc)	99.00-101.00 ppm	Scandium Oxide	12060-08-1	High Purity	3148
Yttrium (Y)	99.00-101.00 ppm	Yttrium Oxide	1314-36-9	High Purity	3167
Terbium (Tb)	99.00-101.00 ppm	Terbium Oxide	12037-01-3	High Purity	3157
Indium (In)	99.00-101.00 ppm	Indium	7440-74-6	High Purity	3124
Bismuth (Bi)	99.00-101.00 ppm	Bismuth	7440-69-9	High Purity	3106

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)
RMSIS1-100	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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