

Product Specification

Mixed ICP Standard

100 ppm Y, La, Ce, Pr, Nd, Fe, Ti, Si in 3% HNO₃

Lot Number: SAMPLE

Product Number: RPMX096N

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 / trace HF

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#
Silicon (Si)	99.5-100.5 ppm	Ammonium Hexafluorosilicate (IV)	16919-19-0	High Purity	3150
Cerium (Ce)	99.5-100.5 ppm	Cerium (III) Nitrate Hexahydrate	10294-41-4	High Purity	3110
Yttrium (Y)	99.5-100.5 ppm	Yttrium Oxide	1314-36-9	High Purity	3167
Praseodymium (Pr)	99.5-100.5 ppm	Praseodymium Oxide	12037-29-5	High Purity	3142
Lanthanum (La)	99.5-100.5 ppm	Lanthanum Oxide	1312-81-8	High Purity	3127
Neodymium (Nd)	99.5-100.5 ppm	Neodymium Oxide	1313-97-9	High Purity	3135
Titanium (Ti)	99.5-100.5 ppm	Titanium	7440-32-6	High Purity	3162
Iron (Fe)	99.5-100.5 ppm	Iron	7439-89-6	High Purity	3126

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)
RPMX096N-500N	500 mL natural poly	12 months

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

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