

Product Specification

Tin ICP-MS Standard, 10,000 ppm Sn in 5% HNO₃

Lot Number: SAMPLE

Product Number: MSSN10KN

Manufacture Date: N/A

Expiration Date: N/A

The final solution concentration is confirmed by AA, ICP, or ICP-MS, and is traceable to NIST Standard Reference Material 3161. All trace level elements were determined by ICP or ICP-MS.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Tin	7440-31-5	High Purity
Hydrofluoric Acid	7664-39-3	Trace Metals

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
Tin (Sn)	9950-10050 ppm	N/A	3161

Trace Elements by ICP or ICP - MS

I=Spectral Interference N=Not Tested

All values reported in mg/L (ppm)

Aluminum (Al)	N/A	Lithium (Li)	N/A	Tellurium (Te)	N/A
Antimony (Sb)	N/A	Lutetium (Lu)	N/A	Terbium (Tb)	N/A
Arsenic (As)	N/A	Magnesium (Mg)	N/A	Thallium (Tl)	N/A
Barium (Ba)	N/A	Manganese (Mn)	N/A	Thorium (Th)	N/A
Beryllium (Be)	N/A	Mercury (Hg)	N/A	Thulium (Tm)	N/A
Bismuth (Bi)	N/A	Molybdenum (Mo)	N/A	Titanium (Ti)	N/A
Boron (B)	N/A	Neodymium (Nd)	N/A	Tungsten (W)	N/A
Cadmium (Cd)	N/A	Nickel (Ni)	N/A	Uranium (U)	N/A
Calcium (Ca)	N/A	Niobium (Nb)	N/A	Vanadium (V)	N/A
Cerium (Ce)	N/A	Osmium (Os)	N/A	Ytterbium (Yb)	N/A
Cesium (Cs)	N/A	Palladium (Pd)	N/A	Yttrium (Y)	N/A
Chromium (Cr)	N/A	Phosphorus (P)	N/A	Zinc (Zn)	N/A
Cobalt (Co)	N/A	Platinum (Pt)	N/A	Zirconium (Zr)	N/A
Copper (Cu)	N/A	Potassium (K)	N/A		
Dysprosium (Dy)	N/A	Praseodymium (Pr)	N/A		
Erbium (Er)	N/A	Rhenium (Re)	N/A		
Europium (Eu)	N/A	Rhodium (Rh)	N/A		
Gadolinium (Gd)	N/A	Rubidium (Rb)	N/A		
Gallium (Ga)	N/A	Ruthenium (Ru)	N/A		
Germanium (Ge)	N/A	Samarium (Sm)	N/A		
Gold (Au)	N/A	Scandium (Sc)	N/A		
Hafnium (Hf)	N/A	Selenium (Se)	N/A		
Holmium (Ho)	N/A	Silicon (Si)	N/A		
Indium (In)	N/A	Silver (Ag)	N/A		
Iridium (Ir)	N/A	Sodium (Na)	N/A		
Iron (Fe)	N/A	Strontium (Sr)	N/A		
Lanthanum (La)	N/A	Sulfur (S)	N/A		
Lead (Pb)	N/A	Tantalum (Ta)	N/A		

Specification	Reference
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Tin Standard, 10,000 ppm

EPA (200.8)

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)
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MSSN10KN-100

100 mL natural LDPE

18 months

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

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