

Technical Datasheet

Article no.: 837

Nitric acid ultrapure for trace analysis (67.0 – 69.0 % (w/w))

HNO₃

For laboratory use.

Boiling point: 122 °C
CAS no.: 7697-37-2
Density: 1.40 g/ml
Melting point: -32 °C
Molar mass: 63.01 g/mol

Parameter	Value
Aluminium (Al)	max. 20 ppt
Antimony (Sb)	max. 10 ppt
Appearance	Colourless to yellowish liquid
Arsenic (As)	max. 20 ppt
Assay	67.0 – 69.0 %
Barium (Ba)	max. 10 ppt
Beryllium (Be)	max. 10 ppt
Bismuth (Bi)	max. 10 ppt
Boron (B)	max. 10 ppt
Cadmium (Cd)	max. 10 ppt
Caesium (Cs)	max. 10 ppt
Calcium (Ca)	max. 10 ppt
Cerium (Ce)	max. 10 ppt
Chromium (Cr)	max. 10 ppt
Cobalt (Co)	max. 10 ppt
Copper (Cu)	max. 10 ppt

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Dysprosium (Dy)	max. 1 ppt
Erbium (Er)	max. 1 ppt
Europium (Eu)	max. 1 ppt
Gadolinium (Gd)	max. 1 ppt
Gallium (Ga)	max. 10 ppt
Germanium (Ge)	max. 10 ppt
Gold (Au)	max. 20 ppt
Hafnium (Hf)	max. 10 ppt
Holmium (Ho)	max. 1 ppt
Indium (In)	max. 1 ppt
Iron (Fe)	max. 10 ppt
Lanthanum (La)	max. 1 ppt
Lead (Pb)	max. 10 ppt
Lithium (Li)	max. 10 ppt
Lutetium (Lu)	max. 1 ppt
Magnesium (Mg)	max. 10 ppt
Manganese (Mn)	max. 10 ppt
Mercury (Hg)	max. 50 ppt
Molybdenum (Mo)	max. 10 ppt
Nickel (Ni)	max. 20 ppt
Niobium (Nb)	max. 1 ppt
Palladium (Pd)	max. 20 ppt
Platinum (Pt)	max. 20 ppt

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Potassium (K)	max. 10 ppt
Praseodymium (Pr)	max. 1 ppt
Rhenium (Re)	max. 10 ppt
Rhodium (Rh)	max. 10 ppt
Rubidium (Rb)	max. 10 ppt
Ruthenium (Ru)	max. 20 ppt
Samarium (Sm)	max. 1 ppt
Scandium (Sc)	max. 10 ppt
Silver (Ag)	max. 10 ppt
Sodium (Na)	max. 10 ppt
Strontium (Sr)	max. 10 ppt
Tellurium (Te)	max. 1 ppt
Terbium (Tb)	max. 1 ppt
Thallium (Tl)	max. 10 ppt
Thorium (Th)	max. 1 ppt
Thulium (Tm)	max. 1 ppt
Tin (Sn)	max. 20 ppt
Titanium (Ti)	max. 10 ppt
Tungsten (W)	max. 10 ppt
Uranium (U)	max. 1 ppt
Vanadium (V)	max. 10 ppt
Ytterbium (Yb)	max. 1 ppt
Yttrium (Y)	max. 1 ppt

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Zinc (Zn)	max. 10 ppt
Zirconium (Zr)	max. 10 ppt

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