

Technical Datasheet

Article No. 838

Nitric acid superpure for trace analysis
67.0–69.0 % HNO₃

For laboratory use.

Parameter	Value
Appearance	clear, colourless liquid
Density	1.35 g/ml
Mol.-Weight	63.01 g/mol
Boiling point	86 °C
Colour (APHA)	max. 10
Chloride (Cl)	max. 0.2 ppm
Total sulfur (S)	max. 0.3 ppm
Total phosphorus (P)	max. 0.01 ppm
Aluminium (Al)	max. 1 ppb
Antimony (Sb)	max. 0.5 ppb
Arsenic (As)	max. 0.5 ppb
Barium (Ba)	max. 0.1 ppb
Beryllium (Be)	max. 0.1 ppb
Bismuth (Bi)	max. 0.1 ppb
Boron (B)	max. 1 ppb
Cadmium (Cd)	max. 0.5 ppb
Calcium (Ca)	max. 1 ppb
Cerium (Ce)	max. 0.1 ppb
Cesium (Cs)	max. 0.1 ppb
Chromium (Cr)	max. 1 ppb
Cobalt (Co)	max. 0.5 ppb
Copper (Cu)	max. 0.5 ppb
Dysprosium (Dy)	max. 0.1 ppb

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Erbium (Er)	max. 0.1 ppm
Europium (Eu)	max. 0.1 ppb
Gadolinium (Gd)	max. 0.1 ppb
Gallium (Ga)	max. 0.1 ppb
Germanium (Ge)	max. 0.1 ppb
Gold (Au)	max. 0.1 ppb
Hafnium (Hf)	max. 0.1 ppb
Holmium (Ho)	max. 0.1 ppb
Indium (In)	max. 0.1 ppb
Iron (Fe)	max. 1 ppb
Lanthanum (La)	max. 0.1 ppb
Lead (Pb)	max. 0.1 ppb
Lithium (Li)	max. 0.1 ppb
Lutetium (Lu)	max. 0.1 ppb
Magnesium (Mg)	max. 1 ppb
Manganese (Mn)	max. 0.1 ppb
Mercury (Hg)	max. 0.1 ppb
Molybdenum (Mo)	max. 0.1 ppb
Neodymium (Nd)	max. 0.1 ppb
Nickel (Ni)	max. 0.5 ppb
Niobium (Nb)	max. 0.1 ppb
Palladium (Pd)	max. 0.5 ppb
Platinum (Pt)	max. 0.5 ppb
Potassium (K)	max. 1 ppb

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Praseodymium (Pr)	max. 0.1 ppb
Rhenium (Re)	max. 0.1 ppb
Rhodium (Rh)	max. 0.5 ppb
Rubidium (Rb)	max. 0.1 ppb
Ruthenium (Ru)	max. 0.5 ppb
Samarium (Sm)	max. 0.1 ppb
Scandium (Sc)	max. 0.1 ppb
Selenium (Se)	max. 1 ppb
Silver (Ag)	max. 0.1 ppb
Sodium (Na)	max. 1 ppb
Strontium (Sr)	max. 0.1 ppb
Tellurium (Te)	max. 0.1 ppb
Terbium (Tb)	max. 0.1 ppb
Thallium (Tl)	max. 0.1 ppb
Thorium (Th)	max. 0.1 ppb
Thulium (Tm)	max. 0.1 ppb
Tin (Sn)	max. 0.5 ppb
Titanium (Ti)	max. 0.5 ppb
Tungsten (W)	max. 0.1 ppb
Uranium (U)	max. 0.1 ppb
Vanadium (V)	max. 0.5 ppb
Ytterbium (Yb)	max. 0.1 ppb
Yttrium (Y)	max. 0.1 ppb
Zinc (Zn)	max. 0.5 ppb

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Zirconium (Zr)	max. 0.1 ppb
