

## Product Specification

Product Name:

**Nitric acid PurTrace Ultrapure for Ultra Trace Analysis, 67-70%**  
(Below 10 ppt impurities)

Product No.: PSR50268  
Brand: PureSynth  
CAS No.: 7697-37-2  
Molecular Formula: HNO<sub>3</sub>  
Molecular Weight: 63.01 g/mol



Test	Specification
Appearance	Light yellow liquid
Assay	67.0 - 70.0 %
Aluminum (Al)	NMT 1 ppt
Antimony (Sb)	NMT 0.1 ppt
Arsenic (As)	NMT 0.1 ppt
Barium (Ba)	NMT 1 ppt
Beryllium (Be)	NMT 0.1 ppt
Bismuth (Bi)	NMT 0.1 ppt
Boron (B)	NMT 10 ppt
Cadmium (Cd)	NMT 1 ppt
Calcium (Ca)	NMT 10 ppt
Cerium (Ce)	NMT 0.1 ppt
Cesium (Cs)	NMT 0.1 ppt
Chromium (Cr)	NMT 1 ppt
Cobalt (Co)	NMT 0.1 ppt
Copper (Cu)	NMT 1 ppt
Dysprosium (Dy)	NMT 0.1 ppt
Erbium (Er)	NMT 0.1 ppt
Europium (Eu)	NMT 0.1 ppt
Gadolinium (Gd)	NMT 0.1 ppt
Gallium (Ga)	NMT 1 ppt
Germanium (Ge)	NMT 1 ppt
Gold (Au)	NMT 1 ppt
Hafnium (Hf)	NMT 0.1 ppt
Holmium (Ho)	NMT 0.1 ppt
Indium (In)	NMT 0.1 ppt
Iridium (Ir)	NMT 0.1 ppt
Iron (Fe)	NMT 2 ppt
Lanthanum (La)	NMT 0.1 ppt

The information represented here may/may not represent the entire product specification and application recommended by PureSynth Research Chemicals. This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above.  
For queries on this Specifications, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)

Lead (Pb)	NMT 0.1 ppt
Lithium (Li)	NMT 0.1 ppt
Lutetium (Lu)	NMT 0.1 ppt
Magnesium (Mg)	NMT 1 ppt
Manganese (Mn)	NMT 0.1 ppt
Mercury (Hg)	NMT 10 ppt
Molybdenum (Mo)	NMT 1 ppt
Neodymium (Nd)	NMT 0.1 ppt
Nickel (Ni)	NMT 10 ppt
Niobium (Nb)	NMT 0.1 ppt
Osmium (Os)	NMT 0.1 ppt
Palladium (Pd)	NMT 0.5 ppt
Platinum (Pt)	NMT 5 ppt
Potassium (K)	NMT 0.5 ppt
Praseodymium (Pr)	NMT 0.1 ppt
Rhenium (Re)	NMT 0.1 ppt
Rhodium (Rh)	NMT 0.1 ppt
Rubidium (Rb)	NMT 0.1 ppt
Ruthenium (Ru)	NMT 0.1 ppt
Samarium (Sm)	NMT 0.1 ppt
Scandium (Sc)	NMT 0.1 ppt
Selenium (Se)	NMT 1 ppt
Silver (Ag)	NMT 0.1 ppt
Sodium (Na)	NMT 0.5 ppt
Strontium (Sr)	NMT 0.1 ppt
Tantalum (Ta)	NMT 1 ppt
Tellurium (Te)	NMT 0.1 ppt
Terbium (Tb)	NMT 0.1 ppt
Thallium (Tl)	NMT 0.1 ppt
Thorium (Th)	NMT 0.1 ppt
Thulium (Tm)	NMT 0.1 ppt
Tin (Sn)	NMT 0.1 ppt
Titanium (Ti)	NMT 0.5 ppt
Tungsten (W)	NMT 0.1 ppt
Uranium (U)	NMT 0.1 ppt
Vanadium (V)	NMT 0.1 ppt
Ytterbium (Yb)	NMT 0.1 ppt
Yttrium (Y)	NMT 0.1 ppt
Zinc (Zn)	NMT 1 ppt
Zirconium (Zr)	NMT 0.1 ppt
Chlorine (Cl)	NMT 2.0 ppm
Sulphate (SO <sub>4</sub> )	NMT 1.0 ppm
Phosphate (PO <sub>4</sub> )	NMT 0.05 ppm

Specification: PTU-1.0-QA/007

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