

Nitric acid 65%+

Chemical formula: HNO₃

Molar mass: 63,01 g/mol

CAS: 7697-37-2

EINECS: 231-714-2

A.G. (18980)

Appearance	clear colourless liquid
Assay	min. 65,0 %
Sulphated ash	max. 0,0005 %
Chloride (Cl ⁻)	max. 0,0001 %
Sulfate (SO ₄ ²⁻)	max. 0,0002 %
Fe (Iron)	max. 0,0001 %
Heavy metals (as Pb)	max. 0,0001 %
Density (20 °C)	1,400 g/cm ³
As (Arsenic)	max. 0,000003 %

pure (18900)

Appearance	clear colourless liquid
Assay	min. 65,0 %
Sulphated ash	max. 0,015 %
Chloride (Cl ⁻)	max. 0,0005 %
Sulfate (SO ₄ ²⁻)	max. 0,002 %
Density (20 °C)	1,400 g/cm ³

semiconductor grade (18990)

Assay	min. 65,0 %
Appearance	clear colourless liquid
Sulphated ash	max. 0,0005 %
Chloride (Cl ⁻)	max. 0,0001 %
Sulfate (SO ₄ ²⁻)	max. 0,0002 %
Fe (Iron)	max. 0,00004 %
Heavy metals (as Pb)	max. 0,00005 %
Density (20 °C)	1,400 g/cm ³

for trace analysis (44930)

Appearance	clear colourless liquid
Assay	65.0 - 67.0 %
Sulphated ash	max. 0,0003 %
Chloride (Cl ⁻)	max. 0,00002 %
Sulfate (SO ₄ ²⁻)	max. 0,00005 %
Phosphate (PO ₄ ³⁻)	max. 0,00002 %
Heavy metals (as Pb)	max. 0,00002 %
Density (20 °C)	1,400 g/cm ³
Sb (Antimony)	max. 0,01 ppm
As (Arsenic)	max. 0,01 ppm
Ba (Barium)	max. 0,01 ppm
Be (Beryllium)	max. 0,01 ppm
Bi (Bismuth)	max. 0,02 ppm
Sn (Tin)	max. 0,01 ppm
K (Potassium)	max. 0,1 ppm
Ge (Germanium)	max. 0,02 ppm
Al (Aluminum)	max. 0,05 ppm
Mg (Magnesium)	max. 0,05 ppm
Cr (Chromium)	max. 0,02 ppm
In (Indium)	max. 0,05 ppm
Cd (Cadmium)	max. 0,01 ppm
Co (Cobalt)	max. 0,01 ppm
Li (Lithium)	max. 0,01 ppm
Mn (Manganese)	max. 0,01 ppm
Cu (Copper)	max. 0,01 ppm
Mo (Molybdenum)	max. 0,01 ppm
Ni (Nickel)	max. 0,02 ppm
Pb (Lead)	max. 0,01 ppm
Hg (Mercury)	max. 0,01 ppm
Ag (Silver)	max. 0,01 ppm
Na (Sodium)	max. 0,2 ppm
Sr (Strontium)	max. 0,01 ppm
Tl (Thallium)	max. 0,02 ppm
Ti (Titanium)	max. 0,02 ppm
V (Vanadium)	max. 0,01 ppm
Ca (Calcium)	max. 0,1 ppm
Zn (Zinc)	max. 0,05 ppm
Zr (Zirconium)	max. 0,02 ppm
Fe (Iron)	max. 0,1 ppm
Tested with dithizone	complies
Residual solvents	complies

technical (19020)

Appearance	yellowish liquid
Assay	min. 65,0 %

d.d. (50130)

Appearance	clear colourless liquid
Assay	min. 65,0 %
Sulphated ash	max. 0,0003 %
Chloride (Cl ⁻)	max. 0,00002 %
Sulfate (SO ₄ ²⁻)	max. 0,00005 %
Phosphate (PO ₄ ³⁻)	max. 0,00002 %
Heavy metals (as Pb)	max. 0,00002 %
Density (20 °C)	1,395 - 1,400 g/cm ³
Sb (Antimony)	max. 0,005 ppm
As (Arsenic)	max. 0,005 ppm
Ba (Barium)	max. 0,01 ppm
Be (Beryllium)	max. 0,001 ppm
Bi (Bismuth)	max. 0,005 ppm
Sn (Tin)	max. 0,005 ppm
K (Potassium)	max. 0,1 ppm
Ge (Germanium)	max. 0,02 ppm
Al (Aluminum)	max. 0,05 ppm
Mg (Magnesium)	max. 0,01 ppm
Cr (Chromium)	max. 0,01 ppm
In (Indium)	max. 0,05 ppm
Cd (Cadmium)	max. 0,001 ppm
Co (Cobalt)	max. 0,001 ppm
Li (Lithium)	max. 0,001 ppm
Mn (Manganese)	max. 0,01 ppm
Cu (Copper)	max. 0,01 ppm
Mo (Molybdenum)	max. 0,001 ppm
Ni (Nickel)	max. 0,01 ppm
Pb (Lead)	max. 0,005 ppm
Hg (Mercury)	max. 0,01 ppm
Ag (Silver)	max. 0,001 ppm
Na (Sodium)	max. 0,2 ppm
Sr (Strontium)	max. 0,001 ppm
Tl (Thallium)	max. 0,01 ppm
Ti (Titanium)	max. 0,02 ppm
V (Vanadium)	max. 0,01 ppm
Ca (Calcium)	max. 0,1 ppm
Zn (Zinc)	max. 0,01 ppm
Zr (Zirconium)	max. 0,01 ppm
Fe (Iron)	max. 0,1 ppm
Tested with dithizone	complies

Classification of the substance in accordance with Regulation (EC) No 1272/2008



Hazard statements: 290, 272, 314, 318, 331

EUH statements: 071

Precautionary statements: 260, 280, 305+351+338, 301+330+331, 303+361+353, 308+311

Signal word: Danger

ADR/RID: 8 /CO1 /II

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