

Nitric acid 68-70%

Chemical formula: HNO₃

Molar mass: 63,01 g/mol

CAS: 7697-37-2

EINECS: 231-714-2

A.G. (36440)

Appearance	clear colourless liquid
Assay	68,0 - 70,0 %
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 %

pure (45280)

Appearance	clear colourless to yellowish liquid
Color scale (APHA)	max. 30 APHA
Assay	68,0 - 70,0 %

chemically pure (41070)

Appearance	clear colourless liquid
Assay	68,0 - 70,0 %
Chloride (Cl ⁻)	max. 0,00005 %
Sulfate (SO ₄ ²⁻)	max. 0,00005 %
Phosphate (PO ₄ ³⁻)	max. 0,00005 %
Sulphated ash	max. 0,0005 %
Heavy metals (as Pb)	max. 0,00002 %
Na (Sodium)	max. 0,00005 %
K (Potassium)	max. 0,00001 %
Ca (Calcium)	max. 0,00001 %
Fe (Iron)	max. 0,00001 %
As (Arsenic)	max. 0,000001 %

tested acc. to Ph. Eur.

Appearance	clear colourless liquid
Assay	68,0 - 70,0 %
Color scale (APHA)	max. 10
Identification A	passes test
Identification B	passes test
Appearance of solution	passes test
Chloride (Cl ⁻)	max. 0,5 µg/g
Sulfate (SO ₄ ²⁻)	max. 10 µg/g
Fe (Iron)	max. 10 µg/g
Sulphated ash	max. 0,01 %

technical (41080)

Appearance	clear yellowish to yellow liquid
Assay	68,0 - 70,0 %

for trace analysis

Appearance	clear colourless liquid
Assay	min. 68 %
Color scale (APHA)	max. 10
Chloride (Cl ⁻)	max. 0.00005 %
Sulfate (SO ₄ ²⁻)	max. 0.00005 %
Phosphate (PO ₄ ³⁻)	max. 0.00005 %
Sulphated ash	max. 0.0005 %
Heavy metals (as Pb)	max. 0.00002 %
As (Arsenic)	max. 0.000001 %
Ba (Barium)	max. 0.000001 %
Be (Beryllium)	max. 0.000001 %
Bi (Bismuth)	max. 0.000001 %
K (Potassium)	max. 0.00001 %
Ge (Germanium)	max. 0.000005 %
Al (Aluminum)	max. 0.000005 %
Mg (Magnesium)	max. 0.00001 %
Cr (Chromium)	max. 0.000002 %
Cd (Cadmium)	max. 0.000001 %
Co (Cobalt)	max. 0.000001 %
Li (Lithium)	max. 0.000001 %
Mn (Manganese)	max. 0.000001 %
Cu (Copper)	max. 0.000001 %
Mo (Molybdenum)	max. 0.000001 %
Ni (Nickel)	max. 0.000002 %
Pb (Lead)	max. 0.000001 %
Na (Sodium)	max. 0.00005 %
Sr (Strontium)	max. 0.000001 %
Ag (Silver)	max. 0.000001 %
Tl (Thallium)	max. 0.000005 %
Ti (Titanium)	max. 0.00001 %
V (Vanadium)	max. 0.000001 %
Ca (Calcium)	max. 0.00001 %
Zn (Zinc)	max. 0.000005 %
Zr (Zirconium)	max. 0.00001 %
Fe (Iron)	max. 0.00001 %

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



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

EUH statements: 071

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

Signal word: Danger

ADR/RID: 8 /CO1 /II

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