

Nitric acid (65 - < 70%)

Danger

H272 H314

P210 P280 P301+P330+P331 P304+P340 P309+P310



CAS 7697-37-2

Index 007-004-00-1

EINECS: 231-714-2

UN: 2031

ADR 8,II

Restricted to professional users.

HNO₃

M.W. 63.01 g/mol

Density: 1.4 g/cm³ (20 °C)

Boiling Pt: 120.5 °C (1013 hPa)

Melting Pt: -42 °C

Storage Temperature: Ambient temperature

Nitric acid 69% ARISTAR® for trace analysis

Assay (acidimetric).....	68.5 to 69.5 %	Residue on ignition (as sulphates).....	Max 1 ppm
Silicate (as Si).....	Max 0.1 ppm	Phosphate (PO ₄).....	Max 0.1 ppm
Sulphates (SO ₄).....	Max 0.5 ppm	Chloride (Cl).....	Max 0.05 ppm
Ag (Silver).....	Max 0.005 ppm	Al (Aluminium).....	Max 0.02 ppm
Au (Gold).....	Max 0.005 ppm	B (Boron).....	Max 0.005 ppm
Ba (Barium).....	Max 0.005 ppm	Be (Beryllium).....	Max 0.005 ppm
Bi (Bismuth).....	Max 0.005 ppm	Ca (Calcium).....	Max 0.05 ppm
Cd (Cadmium).....	Max 0.005 ppm	Co (Cobalt).....	Max 0.005 ppm
Cr (Chromium).....	Max 0.01 ppm	Cu (Copper).....	Max 0.005 ppm
Fe (Iron).....	Max 0.02 ppm	Ga (Gallium).....	Max 0.02 ppm
Ge (Germanium).....	Max 0.01 ppm	Hg (Mercury).....	Max 0.001 ppm
In (Indium).....	Max 0.01 ppm	K (Potassium).....	Max 0.01 ppm
Li (Lithium).....	Max 0.005 ppm	Mg (Magnesium).....	Max 0.01 ppm
Mn (Manganese).....	Max 0.005 ppm	Mo (Molybdenum).....	Max 0.005 ppm
Na (Sodium).....	Max 0.05 ppm	Ni (Nickel).....	Max 0.005 ppm
Pb (Lead).....	Max 0.005 ppm	Pt (Platinum).....	Max 0.005 ppm
As + Sb (Arsenic + Antimony) (as As).....	Max 0.005 ppm	Sn (Tin).....	Max 0.02 ppm
Sr (Strontium).....	Max 0.005 ppm	Ti (Titanium).....	Max 0.005 ppm
Tl (Thallium).....	Max 0.005 ppm	V (Vanadium).....	Max 0.005 ppm
Zn (Zinc).....	Max 0.01 ppm	Zr (Zirconium).....	Max 0.005 ppm

Cat. No.	Pk	Pack type
450041M	500 ml	Glass bottle SAFEBREAK
450042N	1 l	Glass bottle SAFEBREAK
450043X	2,5 l	Glass bottle SAFEBREAK

Nitric acid 69% AnalAR NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent

Assay.....	69.0 to 71.0 %	Heavy metals (as Pb).....	Max. 0.2 ppm
Ignition residue (SO ₄).....	Max. 5 ppm	Silica.....	Max. 0.2 ppm
Cl (Chloride).....	Max. 0.5 ppm	PO ₄ (Phosphate).....	Max. 2 ppm
SO ₄ (Sulphate).....	Max. 1 ppm	Al (Aluminium).....	Max. 0.05 ppm
As (Arsenic).....	Max. 0.01 ppm	Ba (Barium).....	Max. 0.02 ppm
Ca (Calcium).....	Max. 0.1 ppm	Cd (Cadmium).....	Max. 0.01 ppm
Co (Cobalt).....	Max. 0.01 ppm	Cr (Chromium).....	Max. 0.02 ppm
Cu (Copper).....	Max. 0.01 ppm	Fe (Iron).....	Max. 0.1 ppm
K (Potassium).....	Max. 0.05 ppm	Mg (Magnesium).....	Max. 0.03 ppm
Mn (Manganese).....	Max. 0.01 ppm	Mo (Molybdenum).....	Max. 0.02 ppm
Na (Sodium).....	Max. 0.3 ppm	Ni (Nickel).....	Max. 0.01 ppm
Pb (Lead).....	Max. 0.01 ppm	Sr (Strontium).....	Max. 0.01 ppm
Zn (Zinc).....	Max. 0.05 ppm	Conforms to BDH 14159.....	Passes test

Cat. No.	Pk	Pack type
20425.242	1 l	Glass bottle SAFEBREAK
20425.297	1 l	Glass bottle
20425.322	2,5 l	Glass bottle SAFEBREAK
20425.420	2,5 l	Glass bottle

Nitric acid 69% AnalAR NORMAPUR® analytical reagent, for trace analysis of cadmium, mercury and lead

Assay.....	69.0 to 71.0 %	Ignition residue (SO ₄).....	Max. 5 ppm
Cl (Chloride).....	Max. 0.5 ppm	SO ₄ (Sulphate).....	Max. 1 ppm
As (Arsenic).....	Max. 0.01 ppm	Cd (Cadmium).....	Max. 0.005 ppm
Fe (Iron).....	Max. 0.2 ppm	Hg (Mercury).....	Max. 0.002 ppm
Pb (Lead).....	Max. 0.005 ppm		

Cat. No.	Pk	Pack type
20428.242	1 l	Glass bottle SAFEBREAK
20428.297	1 l	Glass bottle

Nitric acid 69% AnalAR NORMAPUR® analytical reagent

Assay.....	68.5 to 69.5 %	Chloride (Cl).....	Max. 0.00005 %
Phosphate (PO ₄).....	Max. 0.00005 %	Sulphate (SO ₄).....	Max. 0.00005 %
Arsenic and Antimony (as As).....	Max. 0.000001 %	Al (Aluminium).....	Max. 0.000005 %
Au (Gold).....	Max. 0.00001 %	B (Boron).....	Max. 0.000005 %
Ba (Barium).....	Max. 0.000005 %	Be (Beryllium).....	Max. 0.000002 %
Bi (Bismuth).....	Max. 0.00001 %	Ca (Calcium).....	Max. 0.000010 %
Cd (Cadmium).....	Max. 0.000002 %	Co (Cobalt).....	Max. 0.000001 %
Cr (Chromium).....	Max. 0.000002 %	Cu (Copper).....	Max. 0.000002 %
Fe (Iron).....	Max. 0.00002 %	Ga (Gallium).....	Max. 0.000002 %
Ge (Germanium).....	Max. 0.00001 %	In (Indium).....	Max. 0.000002 %
K (Potassium).....	Max. 0.00001 %	Li (Lithium).....	Max. 0.000002 %
Mg (Magnesium).....	Max. 0.000010 %	Mn (Manganese).....	Max. 0.000001 %
Mo (Molybdenum).....	Max. 0.000002 %	Na (Sodium).....	Max. 0.000003 %
Ni (Nickel).....	Max. 0.000002 %	Pb (Lead).....	Max. 0.000005 %
Pt (Platinum).....	Max. 0.00002 %	Sr (Strontium).....	Max. 0.000002 %
Ti (Titanium).....	Max. 0.00001 %	Tl (Thallium).....	Max. 0.000005 %
V (Vanadium).....	Max. 0.000005 %	Zn (Zinc).....	Max. 0.00001 %
Zr (Zirconium).....	Max. 0.00001 %	Residue on ignition (as SO ₄).....	Max. 0.0005 %

Cat. No.	Pk	Pack type
101685D	2,5 l	Glass bottle SAFEBREAK

Nitric acid 69% VLSI Selectipur® for the electronics industry

Cat. No.	Pk	Pack type
51153574.	2,5 l	Plastic bottle

This product is not available in all countries. Please check with your local VWR International office or supplier.

Nitric acid 69% SLSI Selectipur® for the electronics industry

Cat. No.	Pk	Pack type
56999049.	260 kg	Plastic drum

This product is not available in all countries. Please check with your local VWR International office or supplier.

Nitric acid 68% AnalAR NORMAPUR® analytical reagent

Assay.....	68.0 to 70.0 %	Density (20/4).....	1.404 to 1.413
Ignition residue (SO ₄).....	Max. 10 ppm	Cl (Chloride).....	Max. 0.5 ppm
PO ₄ (Phosphate).....	Max. 2 ppm	SO ₄ (Sulphate).....	Max. 2 ppm
As (Arsenic).....	Max. 0.01 ppm	Fe (Iron).....	Max. 1 ppm
Mn (Manganese).....	Max. 0.4 ppm	Pb (Lead).....	Max. 0.05 ppm

Cat. No.	Pk	Pack type
20422.242	1 l	Glass bottle SAFEBREAK
20422.297	1 l	Glass bottle
20422.322	2,5 l	Glass bottle SAFEBREAK