



PRODUCT CODE: 131037

Nitric Acid 69% for analysis, ACS, ISO

HNO₃

M.= 63,01

CAS [7697-37-2]

EINECS 231-714-2

TARIC 2808 00 00 00

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water • D 20/4 1,41 • M.P.: ~ -32 °C • B.P.: 122 °C • pH1 • Vap. press. 9,4 hPa •
BIBLIOGRAPHY: Merck Index **12**, 6.671 13, 6.608 Sax **NED500** • Safety **2** , **2546 B** • Fieser 1733 3212 4356 5476 • ACS **X460IX439**, 442 • ISO 6353/2-1983 R - 19 , 26 • BP. **2014** • USP **-NF 33** • Ph. Eur. **7.0** (2013) **8.0** (2014) •

HAZARDOUS: C.E: 007-004-00-1 • RTECS: QU 5775000 • LD L0 oral hmn 430 mg/kg • LC50 inh rat 67 ppm / 4h • VLA-EC 1 ppm10 mg/m3
 VLA-ED 5,2 mg/m3



H: H314 • H272 •

P: P210 • P220 • P221 • P260 • P264 • P501 • P280 • P301+P330+P331 • P303+P361+P353 • P304+P340 • P305+P351+P338 • P310 • P321 • P338 • P363 • P370+P378 • P405 •

TRANSPORT REGULATIONS: UN: 2031 • ADR: 8(5.1)/II • IMDG: 8(5.1)/II • IATA: 8(5.1)/II • PAX: F • CAO: 855 • (E) •

WEIGHT/VOLUME INFORMATION: 1l~1,411 kg 1kg~0,709 l

OBSERVATIONS: Storage away from direct light.

SPECIFICATIONS:

Assay (Acidim.) 68,0-70,0 %

Density at 20/4 1,410 - 1,420

Maximum limit of impurities

APHA colour 10

Reducing substance to KMnO₄ passes test

Residue on ignition (as SO₄) 0,0005 %

Chloride (Cl) 0,00005%

Phosphate (PO₄) 0,0001 %

Sulfate (SO₄) 0,0001%

Nitrite (NO₂) 0,0005%

As 0,000001 %

Heavy metals (as Pb) 0,00002%

Metals by ICP [in mg/Kg (ppm)]

Ag 0,02

Al 0,2

Au 0,1

| | |
|----|------|
| B | 0,05 |
| Ba | 0,02 |
| Be | 0,02 |
| Bi | 0,05 |
| Ca | 0,5 |
| Cd | 0,01 |
| Co | 0,02 |
| Cr | 0,1 |
| Cu | 0,01 |
| Fe | 0,2 |
| Ga | 0,05 |
| Ge | 0,02 |
| Hg | 0,1 |
| In | 0,05 |
| K | 0,1 |
| Li | 0,02 |
| Mg | 0,1 |
| Mn | 0,01 |
| Mo | 0,02 |
| Na | 0,5 |
| Ni | 0,05 |
| Pb | 0,02 |
| Pt | 0,1 |
| Sb | 0,02 |
| Si | 0,1 |
| Sn | 0,05 |
| Sr | 0,02 |
| Ti | 0,05 |
| Tl | 0,02 |
| V | 0,02 |
| Zn | 0,05 |
| Zr | 0,05 |