



PRODUCT CODE: 711037

Nitric Acid 69% for trace metal analysis (ppt)

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 **XI** • ISO 6353/2-1983 R - 19 , 26 • BP.**2021** • USP **-NF 37** • Ph. Eur. **9.0** (2017) **10.0** (2020) •

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



H: H314 • H272 • H290 • H331 • EUH071 •

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.)

67-69 %

Maximum limit of impurities

Metals by ICP (in ppt)

Ag	10
Al	20
As	20
Au	20
B	10
Ba	10
Be	10
Bi	10
Ca	10
Cd	10
Ce	10
Co	10
Cr	10
Cs	10
Cu	10
Dy	1
Er	1
Eu	1
Fe	10
Ga	10
Gd	1
Ge	10
Hf	10
Hg	50
Ho	1
In	1
K	10
La	1
Li	10
Lu	1
Mg	10
Mn	10
Mo	10
Na	10
Nb	1
Nd	1
Ni	20
Pb	10
Pd	20
Pr	1
Pt	20
Rb	10
Re	10
Rh	10
Ru	20
Sb	10
Sc	10
Sm	1
Sn	20
Sr	10
Tb	1
Te	1
Th	1
Ti	10
Tl	10
Tm	1
U	1
V	10
W	10
Y	1

Yb	1
Zn	10
Zr	10
Type Analysis	
Ag	2
Al	10
As	10
Au	10
B	10
Ba	1
Be	5
Bi	0,1
Ca	10
Cd	1
Ce	0,05
Co	1
Cr	10
Cs	0,05
Cu	3
Dy	0,01
Er	0,01
Eu	0,01
Fe	10
Ga	1
Gd	0,01
Ge	1
Hf	0,05
Hg	20
Ho	0,01
In	1
K	5
La	0,05
Li	1
Lu	0,01
Mg	5
Mn	2
Mo	1
Na	5
Nb	1
Nd	0,05
Ni	10
Pb	1
Pd	10
Pr	0,05
Pt	1
Rb	1
Re	1
Rh	1
Ru	10
Sb	10
Sc	1
Se	20
Sm	0,01
Sn	10
Sr	1
Ta	10
Tb	0,01
Te	1
Th	0,05
Ti	10

Tl	0,1
Tm	0,01
U	0,01
V	1
W	5
Y	1
Yb	0,01
Zn	5
Zr	1