



**PRODUCT CODE: 121737**

**Nitric Acid 53% for analysis**

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HNO<sub>3</sub>

HNO<sub>3</sub>

M.= 63,01

CAS [7697-37-2]

EINECS 231-714-2

TARIC 2808 00 00 00

**PHYSICAL DATA:** liquid, Clear, Colourless, Thermal decom. above 120 °C • Miscible with water • D 20/4 1,333 •

**BIBLIOGRAPHY:** Merck Index **12**, 6.671 13, 6.608 Sax **NED500** • Safety **2 , 2546 B** •

**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 • EUH071 •

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

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

**WEIGHT/VOLUME INFORMATION:** 1l~1,333 kg      1kg~0,75 l

**SPECIFICATIONS:**

Assay (Acidim.)

53-54 %

Density at 20/4

1,330-1,335

**Maximum limit of impurities**

APHA colour	10
Reducing substance to KMnO <sub>4</sub>	passes test
Residue on ignition (as SO <sub>4</sub> )	0,0005 %
Chloride (Cl)	0,00005%
Phosphate (PO <sub>4</sub> )	0,0001 %
Sulfate (SO <sub>4</sub> )	0,0002%
Nitrite (NO <sub>2</sub> )	0,0005%
As	0,000001 %
Heavy metals (as Pb)	0,00002%

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

Ag	0,02
Al	0,05
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