

**Nitric Acid, min. 69%, for analysis, ExpertQ®, ACS, ISO, max.  
0,000005% Hg****Identification**

HNO<sub>3</sub>  
M = 63,01 g/mol  
CAS [7697-37-2]  
EC number: 231-714-2  
Taric code: 2808 00 00

**Applications**

oxidizing agent, synthesis of nitrates and organic nitro compounds.

**Specifications**

assay (acidimetric).....	67,0 - 69,0 %	copper (Cu).....	max. 0,1 ppm
appearance.....	clear and colourless	heavy metals (as Pb).....	max. 0,2 ppm
colour (APHA).....	max. 10	iron (Fe).....	max. 0,2 ppm
chlorides (Cl).....	max. 0,5 ppm	lead (Pb).....	max. 0,1 ppm
sulfates (SO <sub>4</sub> ).....	max. 1 ppm	mercury (Hg).....	max. 0,005 ppm
arsenic (As).....	max. 0,01 ppm	residue on ignition.....	max. 5 ppm
		sulphated ash.....	max. 0,001 %

**Physical data**

- Density: 1,41 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -41 °C
- Boiling point: 122 °C
- Vapour pressure: (20 °C) 9,4 hPa
- pH(20 °C) <1

**Safety - GHS**

Signal Word: Danger

**Hazard Statements:**

- H272: May intensify fire; oxidiser.  
H290: May be corrosive to metals.  
H314: Causes severe skin burns and eye damage.  
H331: Toxic if inhaled.

**Precautionary Statements:**

- P221: Take any precaution to avoid mixing with combustibles.  
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor / physician.  
P370+P378: In case of fire: Use ... for extinction.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 8 CO1 II • UN 2031 • NITRIC ACID
- IMDG: 8 II • UN 2031 • NITRIC ACID
- IATA/ICAO: 8 II • UN 2031 • NITRIC ACID
- PAX: 807
- CAO: 813
- 10°C - 30°C