

Nitric acid, solution 1 mol/l (1 N)**Identification**HNO₃

M = 63,01 g/mol

CAS [7697-37-2]

EC number: 231-714-2

Taric code: 2808 00 00

Applications

analytical chemistry, titrant in volumetric analysis, oxidizing agent.

Specifications

factor..... 0,999 - 1,001

uncertainty ± 0,001

1 ml = 0,06301 g HNO₃

This solution was analysed using a certified reference material (tris(hydroxymethyl)-aminomethane).

The certified reference material is ISO 17034 accredited, measured according to ISO/IEC 17025 and traceable to the International System of Units by means of a Standard Reference Material from NIST:

SRM® 723 (Tris(hydroxymethyl)aminomethane (HOCH₂)₃CNH₂ (Acidimetric Standard)).**Physical data**

- Density: 1,036 g/cm³
- Melting point: ~ -4 °C
- Boiling point: ~ 101 °C
- pH(20 °C) < 1

Safety - GHS

Signal Word: Danger

Hazard Statements:

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

**Transport/storage**

- ADR: 8 C1 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