AC1612

Nitric acid, solution 2 mol/l (2 N)

Identification

HNO_3
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 = 0,12602 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 $(HOCH_2)_3CNH_2$ (Acidimetric Standard)).

Physical data

• Density: ~ 1,07 g/cm3
• pH< 1

Safety - GHS

Signal Word: Danger

Hazard Statements:

H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.

Precautionary Statements:

P260: Do not breathe dust / fume / gas / mist / vapours / spray.
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.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

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: 851
• CAO: 855
• 10°C - 30°C