

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

HCl
M = 36,46 g/mol
CAS [7647-01-0]
EC number: 231-595-7
Taric code: 2806 10 00

Applications

analytical chemistry, titrant in volumetric analysis.





Specifications

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

1 ml = 0,03646 g HCl

This volumetric solution was checked by means of potentiometric methods using Scharlau's tris(hydroxymethyl)-aminomethane volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

Packaging**Packaging Code**

1 l  AC07441000
5 l  AC0744005P
10 l  AC0744010C
25 l  AC0744025P

Physical data

- Density: 1,01 g/cm³
- pH(20 °C) < 1

Safety - GHS**Hazard Statements:**

EUH210: Safety data sheet available on request.

Toxicological data

- WGK: 1
- Poison class CH (Swiss): 3

Transport/storage

- ADR: 8 C1 III • UN 1789 • HYDROCHLORIC ACID
- IMDG: 8 III • UN 1789 • HYDROCHLORIC ACID
- IATA/ICAO: 8 III • UN 1789 • HYDROCHLORIC ACID
- PAX: 819
- CAO: 821
- Store between 15°C and 25°C