

Hydrochloric acid, solution 0,31mol/l (0,31 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

1 ml = 0,011303 g HCl

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: 1,01 g/cm³
- pH < 1

Safety - GHS

Signal Word: Warning

Hazard Statements:

H290: May be corrosive to metals.

**Precautionary Statements:**

- P234: Keep only in original container.
- P390: Absorb spillage to prevent material damage.
- P406: Store in corrosive resistant container with a resistant inner liner.

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
- 10°C - 30°C