



Specification

| Concerning Product: | |
|---|--------------------------|
| Article number | 21875 |
| Trade name / designation / denomination | Salzsäure 37% Chem. rein |
| CAS number | 7647-01-0 |
| Other names / synonyms | •hydrogen chloride; |
| EC number | 231-595-7 |
| EC index number | 017-002-00-2 |
| Customs tariff number / CN code / TARIC | 28061000 |
| Molecular weight [g / mol] | 36,46 |
| Formula | HCl ClH |
| <p>Contains gas under pressure; may explode if heated. Causes severe skin burns and eye damage. Toxic if inhaled. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): IF INHALED: IF IN EYES: Get immediate medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Store in a well-ventilated place.</p> | |

| Parameter | Specification | Unit |
|------------------------------|------------------------|------|
| Organoleptic test | | |
| Appearance | Clear colorless liquid | |
| Physical parameter | | |
| Density | 20°C 1,179 – 1,189 | g/ml |
| Identity | | |
| Assay | 36 – 38 | % |
| Impurities | | |
| Heavy Metals (as Pb) | ≤ 2 | ppm |
| Sulphates (SO ₄) | ≤ 10 | ppmj |
| Elemental Impurities | | |
| Arsenic (As) | ≤ 1 | ppm |
| Cadmium (Cd) | ≤ 1 | ppm |
| Chlorides (Cl) | ≤ 4 | ppm |
| Copper (Cu) | ≤ 1 | ppm |
| Iron (Fe) | ≤ 1 | ppm |
| Mercury (Hg) | ≤ 0,1 | ppm |
| Nickel (Ni) | ≤ 1 | ppm |
| Lead (Pb) | ≤ 1 | ppm |
| Antimon (Sb) | ≤ 0,4 | ppm |
| Zinc (Zn) | ≤ 1 | ppm |

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 12. Aug. 2020

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