

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Hydrochloric acid – ACS reagent, 37%

Product Number: 258148
CAS Number: 7647-01-0
MDL: MFCD00011324
Formula: HCl
Formula Weight: 36.46 g/mol

HCl

| TEST | Specification |
|--|---------------------------|
| Appearance (Clarity) | Clear |
| Appearance (Color) | Colorless |
| Appearance (Form) | Liquid |
| Free from Suspended Matter or Sediment | |
| Color Test | ≤ 10 APHA |
| Titration with NaOH | 36.5 - 38.0 % |
| Arsenic (As) | ≤ 0.01 ppm |
| Bromide | ≤ 0.005 % |
| Iron (Fe) | ≤ 0.2 ppm |
| Heavy Metals | ≤ 1 ppm |
| (as Pb) | |
| Sulfate | ≤ 1 ppm |
| Residue on Ignition (ppm) | ≤ 5 ppm |
| Extractable Organic Substance | Pass |
| Not Greater Than 5 ppm | |
| Free Chlorine | ≤ 1 ppm |
| Ammonium | ≤ 3 ppm |
| Sulfite (ppm) | ≤ 1 ppm |
| Meets ACS Requirements | Current ACS Specification |
| 10th Edition | |
| Recommended Retest Period | ----- |
| 2 Years | |

Specification: PRD.6.ZQ5.10000004195

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.