

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:
Hydrochloric acid - ACS reagent, 37%

Product Number: 258148
CAS Number: 7647-01-0

HCl

Formula: HCl
Formula Weight: 36.46 g/mol

TEST	Specification
Appearance (Clarity)	Clear
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Free from Suspended Matter or Sediment	
Purity (Titration by NaOH)	36.5 - 38.0 %
Color Test	≤ 10 APHA
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	-----
3 Years	

Specification: PRD.1.ZQ5.10000010623

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.