

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Hydrochloric acid ACS reagent, 37%

Product Number: **320331**
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	-----
Recommended Retest Period	3 years
Purity (Titration by NaOH)	36.5- 38.0 %
Residue on Ignition (ppm)	≤5 ppm
Color Test	≤10 APHA
Arsenic (As)	≤0.01 ppm
Bromide	≤0.005 %
Extractable Organic Substance	Pass
Not Greater Than 5 ppm	
Iron (Fe)	≤0.2 ppm
Free Chlorine	≤1 ppm
Heavy Metal	≤1 ppm
(as Pb)	
Ammonium	≤3 ppm

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.

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com**Product Specification**

Product Name:

Hydrochloric acid ACS reagent, 37%

Product Number:

320331

HCl

CAS Number:

7647-01-0

MDL:

MFCD00011324

Formula:


HCl

Formula Weight:


36.46 g/mol

TEST**Specification**

Sulfite (ppm)

 1 ppm

Sulfate

 1 ppmMeets ACS Requirements
10th Edition

Current ACS Specification

Remarks:

Specification Date : 06/06/2010

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.