

3050 Spruce Street, Saint Louis, MO 63103, USA

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

Product Specification

Product Name:
Hydroxylamine hydrochloride - ACS reagent, 98.0%

Product Number: 255580
CAS Number: 5470-11-1
MDL: MFCD00051089
Formula: H3NO · HCl
Formula Weight: 69.49 g/mol

NH₂OH · HCl

TEST	Specification
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Appearance (Color)	White
Appearance (Form)	Powder or Crystal or Chunk(s)
Infrared Spectrum	Conforms to Structure
Titration by KMNO ₄	97.5 - 102.5 %
Clarity of Solution 1 g in 25 mL Ethanol	Pass
Heavy Metals (by ICP-OES)	≤ 5 ppm
Ammonium	Pass
Sulfur compounds (as SO ₄)	≤ 0.005 %
Titration Acid (meq/g)	≤ 0.25
Meets ACS Requirements	Current ACS Specification
Residue on ignition (Ash)	≤ 0.05 %
Iron (Fe)	≤ 5 ppm
Recommended Retest Period 3 Years	-----

Specification: PRD.5.ZQ5.1000007884

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.