

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Hydroxylamine hydrochloride - 99.999% trace metals basis

**Product Number:** 431362  
**CAS Number:** 5470-11-1  
**MDL:** MFCD00051089  
**Formula:** H3NO · HCl  
**Formula Weight:** 69.49 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Crystals
Infrared spectrum	Conforms to Structure
Titration by KMNO4	98.5 - 101.5 %
Residue on Ignition	≤ 0.05 %
Clarity of Solution	Pass
Iron (Fe)	≤ 5 ppm
Heavy Metal as Lead	≤ 5 ppm
Ammonium	Pass
Sulfur compounds	≤ 0.005 %
Titration Acid (meq/g)	≤ 0.25
Purity 99.999% Purity Based On Trace Metals Analysis	Meets Requirements
Trace Metal Analysis	≤ 15.0 ppm

Specification: PRD.1.ZQ5.10000025392

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](http://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.