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Product Specification

Product Name:

Hydroxylamine hydrochloride – ACS reagent, 98.0%

Product Number:

255580

 $\text{NH}_2\text{OH} \cdot \text{HCl}$

CAS Number:

5470-11-1

MDL:

MFCD00051089

Formula:

 $\text{H}_2\text{NOH} \cdot \text{HCl}$

Formula Weight:

69.49 g/mol

TEST

Specification

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

Pass

1 g in 25 mL Ethanol

Heavy Metals

 ≤ 5 ppm

(by ICP)

Ammonium

Pass

Sulfur compounds

 ≤ 0.005 %

Titrable 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.6.ZQ5.10000007884

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.

