

## Certificate of Analysis

Date of Testing: 2024-03-05 11:47:53

Date of Next Testing: 2028-03-04 11:47:53

Product Name: **Hydroxylammonium chloride**

CAS Number: 5470-11-1

Specifications & Purity: 99.99% metals basis

Lot #: C2401306

SKU #: **H112477**

**Analysis:** **323235**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Trace Metal Analysis	0-100 (ppm)	20.00 ppm
Purity(Based On Trace Metals Analysis)	99.99-100 (%)	100.00 %
Heavy metal (as Pb)	0-5 (ppm)	0.36 ppm
Sulfate(SO42-)	0-0.005 (%)	0.00 %
Purity(Titration by KMNO4)	98.5-101.5 (%)	99.96 %
Iron(Fe)	0-5 (ppm)	0.28 ppm
Titrate Acid	0-0.25 (mg/g)	0.06 mg/g
Ignition Residue	0-0.05 (%)	0.01 %
Appearance (H112477)	White crystals	White crystals
Ammonia (NH4)	Pass	Pass
Clarity of solution	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility,100mg/ml in water	Clear and colorless	Clear and colorless



John Su  
QA & QC Manager