

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-22 19:00:53  
Date of Next Testing: 2028-08-21 19:00:53  
Product Name: **Hydroxylammonium chloride**  
CAS Number: 5470-11-1  
Specifications & Purity: ACS  
Lot #: H2420322  
SKU #: **H112476**  
Version: **0**  
Analysis #: **394707**  
Storage Temperature: Argon charged

| Parameter                      | Limit Values                         | Result                               |
|--------------------------------|--------------------------------------|--------------------------------------|
| Iron(Fe)                       | 0-5 (ppm)                            | 3.00 ppm                             |
| Heavy metal (as Pb)            | 0-5 (ppm)                            | 2.00 ppm                             |
| Sulfate(SO42-)                 | 0-0.005 (%)                          | 0.00 %                               |
| Purity(Titration by KMNO4)     | 98-100 (%)                           | 99.30 %                              |
| Ignition Residue (as sulfate)  | 0-0.05 (%)                           | 0.03 %                               |
| Appearance (H112476)           | White Powder, Crystals and/or Chunks | White Powder, Crystals and/or Chunks |
| Ammonia (NH4)                  | Pass                                 | Pass                                 |
| Infrared spectrum              | Conforms to Structure                | Conforms to Structure                |
| Solubility in EtOH,c = 40mg/ml | pass                                 | Pass                                 |



John Su  
QA & QC Manager