

## Certificate of Analysis

Date of Testing: 2023-03-24 18:32:30  
Date of Next Testing: 2027-03-23 18:32:30  
Product Name: **Hydroxylamine sulfate**  
CAS Number: 10039-54-0  
Specifications & Purity: 99.999% metals basis  
Lot #: C23181118  
SKU #: **H104046**  
**Analysis:** **152587**  
Storage Temperature: Argon charged

| Parameter                                       | Limit Values             | Result                   |
|---|--------------------------|--------------------------|
| H2NOH(Titration by KMNO4)                       | 39.2-41.7 (%)            | 39.24 %                  |
| Trace Metal Analysis                            | 0-20 (ppm)               | 9.00 ppm                 |
| Purity(Based on Trace Metals Impurities of ICP) | 99.999-100 (%)           | 100.00 %                 |
| Appearance (H104046)                            | White Powder or Crystals | White Powder or Crystals |
| ICP:Confirms Sulfur Component                   | Confirmed                | Confirmed                |
| Infrared spectrum                               | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager