

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-22 16:54:52  
 Date of Next Testing: 2027-12-12 16:54:52  
 Product Name: **Sodium sulfide nonahydrate**  
 CAS Number: 1313-84-4  
 Specifications & Purity: AR, ≥98%  
 Lot #: L2518503  
 SKU #: **S101399**  
 Version: **1**  
 Analysis #: **617212**  
 Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

| Parameter                                                          | Limit Values                              | Result                                    |
|--------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|
| Insoluble matter in H <sub>2</sub> O                               | 0-0.002 (%)                               | 0.00000 %                                 |
| Substances oxidized by Iodine                                      | 0-0.5 (%)                                 | 0.40000 %                                 |
| Assay(Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) | 98-102.5 (%)                              | 99.68000 %                                |
| Ammonia (NH <sub>4</sub> )                                         | 0-0.002 (%)                               | 0.00200 %                                 |
| Appearance (S101399)                                               | Colorless to White Crystals and/or Chunks | Colorless to White Crystals and/or Chunks |
| X-Ray Diffraction                                                  | Conforms to Structure                     | Conforms to Structure                     |



John Su  
QA & QC Manager