

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-14 14:16:41  
 Date of Next Testing: 2028-11-13 14:16:41  
 Product Name: **Sulfanilamide**  
 CAS Number: 63-74-1  
 Specifications & Purity: AR, Moligand™, ≥99%  
 Lot #: K2408632  
 SKU #: **S108473**  
 Version: **1**  
 Analysis #: **420738**  
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter                                                             | Limit Values             | Result                   |
|-----------------------------------------------------------------------|--------------------------|--------------------------|
| Chloride (Cl-)                                                        | 0-350 (ppm)              | 125.36000 ppm            |
| Heavy metal (as Pb)                                                   | 0-0.002 (%)              | 0.00015 %                |
| Purity(Titration by HClO <sub>4</sub> )(calc. to the dried substance) | 99-100 (%)               | 99.80000 %               |
| Melting point                                                         | 163-167 (°C)             | 165.20000 °C             |
| loss on drying, 105 °C                                                | 0-0.5 (%)                | 0.08000 %                |
| Purity(HPLC)                                                          | 99-100 (%)               | 99.01000 %               |
| Ignition Residue (as sulfate)                                         | 0-0.1 (%)                | 0.06000 %                |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                               | 0-0.1 (%)                | 0.08000 %                |
| Infrared spectrum                                                     | Conforms to Structure    | Conforms to Structure    |
| Appearance (S108473)                                                  | White to off-white solid | White to off-white solid |
| Solubility in 0.5 M HCl , Colorless to Faint Yellow Clear, 50 mg/ml   | pass                     | Pass                     |



John Su  
QA & QC Manager