

## Certificate of Analysis

Date of Testing: 2022-06-18 11:38:40  
Date of Next Testing: 2026-06-17 11:38:40  
Product Name: **Sodium dodecyl sulfate**  
CAS Number: 151-21-3  
Specifications & Purity: Analytical Reagent,92.5-100.5%  
Lot #: F2217027  
SKU #: **S108347**  
Analysis: **096231**

| Parameter  | Limit Values                          | Result                                |
|--|---------------------------------------|---------------------------------------|
| Water by Karl Fischer  | 0-3 (%)                               | 2.13 %                                |
| Sodium(Na)   | 7.6-8.3 (%)                           | 7.90 %                                |
| Titration (Based on total alkyl sulfate content )                              | 92.5-100.5 (%)                        | 97.30 %                               |
| Purity(GC)(lauryl sulfate, sodium salt)  | 65-100 (%)                            | 69.03 %                               |
| Appearance (S108347)   | White to Off-White Powder or Granules | White to Off-White Powder or Granules |
| Infrared spectrum  | Conforms to Structure                 | Conforms to Structure                 |
| Solubility in H <sub>2</sub> O , Colorless to Yellow,Clear to Hazy ,200 mg/mL, | pass                                  | Pass                                  |



John Su  
QA & QC Manager