

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-07-18 20:03:07  
Date of Next Testing: 2026-07-17 20:03:07  
Product Name: **Dodecylbenzenesulfonic Acid(DBSA)**  
CAS Number: 27176-87-0  
Specifications & Purity:  $\geq 90\%$ , minxture  
Lot #: G2214183  
SKU #: **D106550**  
Version: **1**  
Analysis #: **100198**  
Storage Temperature: Store at 2-8°C

| Parameter                      | Limit Values                                | Result                                      |
|--------------------------------|---|---|
| Petroleum ether soluble matter | 0-2.5 (%)                                   | 1.30000 %                                   |
| Purity (Titration by NaOH)     | 90-110 (%)                                  | 105.27000 %                                 |
| Neutralization Value           | 177-187                                     | 182.00000                                   |
| Appearance (D106550)           | Colorless to Yellow Viscous Liquid or solid | Colorless to Yellow Viscous Liquid or solid |
| Infrared spectrum              | Conforms to Structure                       | Conforms to Structure                       |
| Proton NMR spectrum            | Conforms to Structure                       | Conforms to Structure                       |



John Su  
QA & QC Manager