

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-12-27 14:56:13  
 Date of Next Testing: 2027-12-26 14:56:13  
 Product Name: **n-Dodecyl  $\beta$ -D-maltoside**  
 CAS Number: 69227-93-6  
 Specifications & Purity: 98%  
 Lot #: L2322105  
 SKU #: **D100662**  
**Analysis:** **302427**  
 Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                                        | Limit Values                          | Result                                |
|----------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Specific Rotation [a] <sub>D</sub> 20/D(c=1 in H <sub>2</sub> O)                 | 45-49.5 (°)                           | 47.83°                                |
| Purity                                                                           | 98-100 (%)                            | 98.50%                                |
| Water by Karl Fischer                                                            | 0-3 (%)                               | 1.39%                                 |
| Appearance (D100662)                                                             | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Proton NMR spectrum                                                              | Conforms to Structure                 | Conforms to Structure                 |
| Solubility in H <sub>2</sub> O, Colorless, Clear to Very Slightly Hazy, 50 mg/ml | pass                                  | Pass                                  |



John Su  
QA & QC Manager