

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-02-26 14:47:52
Date of Next Testing: 2028-02-25 14:47:52
Product Name: **Undecyl β -D-maltoside**
CAS Number: 253678-67-0
Specifications & Purity: 99%
Lot #: E2008138
SKU #: **U124542**
Analysis: **323634**
Storage Temperature: Store at -20°C

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$ | 48-50 (°) | 49.80° |
| Purity(HPLC) | 98-100 (%) | 99.38000% |
| CMC(H ₂ O)(0.029%) | 0.49-0.69 (mmol/L) | 0.59 mmol/L |
| PH(1% in Water) | 4-9 | 5.82 |
| alpha (HPLC) | 0-5 (%) | 3.80% |
| undecanol(HPLC) | 0-0.05 (%) | 0.03% |
| Conductance(10% solution) | 0-100 (μ S) | 85.00 μ S |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O(20°C , \geq 20%) | pass | Pass |



John Su
QA & QC Manager