

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-21 11:18:23  
 Date of Next Testing: 2026-09-20 11:18:23  
 Product Name: **n-Dodecyl  $\alpha$ -D-maltoside**  
 CAS Number: 116183-64-3  
 Specifications & Purity: 99%  
 Lot #: L1810221  
 SKU #: **D124518**  
**Analysis: 137893**  
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
CMC (H2O)	0.142-0.162 (mmol/L)	0.15 mmol/L
Absorbance(1% detergent solution,340 nm)	0-0.05	0.02
Absorbance(1% detergent solution,225 nm)	0-0.25	0.19
Absorbance(1% detergent solution,260 nm)	0-0.15	0.11
PH	5-8	6.30
Purity(HPLC)	98-100 (%)	98.10600%
Absorbance(1% detergent solution,280 nm)	0-0.1	0.06
alpha (HPLC)	94-100 (%)	95.10%
Conductance(10% solution)	0-40 ( $\mu$ S/cm)	21.00 $\mu$ S/cm
dodecanol(HPLC)	0-0.005 (%)	0.00%
Appearance (D124518)	white powder	White powder
Fluorescence	345 nm $\leq$ 10% (0.1% detergent solution)	345 nm $\leq$ 10% (0.1% detergent solution)
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , Colorless ,Clear ,50 mg/mL in pass H2O		Pass



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager