

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2022-07-08 11:36:53
Date of Next Testing:	2026-07-07 11:36:53
Product Name:	<b>n-Dodecyl <math>\alpha</math>-D-maltoside</b>
CAS Number:	116183-64-3
Specifications & Purity:	99%
Lot #:	G2203172
SKU #	<b>D124518</b>
<b>Analysis:</b>	<b>093334</b>
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
CMC (H <sub>2</sub> O)	0.142-0.162 (mmol/L)	0.14 mmol/L
Absorbance(1% detergent solution,340 nm)	0-0.05	0.01
Absorbance(1% detergent solution,225 nm)	0-0.25	0.02
Absorbance(1% detergent solution,260 nm)	0-0.15	0.11
PH	5-8	5.12
Purity(HPLC)	98-100 (%)	99.10000 %
Absorbance(1% detergent solution,280 nm)	0-0.1	0.02
alpha (HPLC)	94-100 (%)	95.50 %
Conductance(10% solution)	0-40 ( $\mu$ S/cm)	22.00 $\mu$ S/cm
dodecanol(HPLC)	0-0.005 (%)	0.00 %
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 H <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in pass H <sub>2</sub> O		Pass
Appearance (D124518)	white powder	White powder



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

John Su  
QA & QC Manager