

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-04-23 10:53:43
Date of Next Testing:	2028-04-22 10:53:43
Product Name:	n-Dodecyl α-D-maltoside
CAS Number:	116183-64-3
Specifications & Purity:	99%
Lot #:	D2422325
SKU #	D124518
Version	0
Analysis #:	347202
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.10000 %
dodecanol(HPLC)	0-0.005 (%)	0.00 %
Absorbance(1% detergent solution,340 nm)	0-0.05	0.03
Absorbance(1% detergent solution,225 nm)	0-0.25	0.24
Absorbance(1% detergent solution,260 nm)	0-0.15	0.13
Absorbance(1% detergent solution,280 nm)	0-0.1	0.08
CMC (H2O)	0.142-0.162 (mmol/L)	0.16 mmol/L
PH	5-8	7.50
alpha (HPLC)	94-100 (%)	95.20 %
Conductance(10% solution)	0-40 (μ S/cm)	20.00 μ S/cm
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