

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-08 13:49:05
 Date of Next Testing: 2029-07-07 13:49:05
 Product Name: **n-Dodecyl α -D-maltoside (α -DDM)**
 CAS Number: 116183-64-3
 Specifications & Purity: $\geq 99\%$
 Lot #: F2527380
 SKU #: **D124518**
 Version: **0**
 Analysis #: **524304**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.90000 %
CMC (H ₂ O)	0.142-0.162 (mmol/L)	0.14210 mmol/L
Absorbance(1% detergent solution,340 nm)	0-0.05	0.04500
Absorbance(1% detergent solution,225 nm)	0-0.25	0.24000
Absorbance(1% detergent solution,260 nm)	0-0.15	0.13000
pH	5-8	7.20000
Absorbance(1% detergent solution,280 nm)	0-0.1	0.09000
alpha (HPLC)	94-100 (%)	94.20000 %
Conductance(10% solution)	0-40 ($\mu\text{S}/\text{cm}$)	23.00000 $\mu\text{S}/\text{cm}$
dodecanol(HPLC)	0-0.005 (%)	0.00400 %
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 H ₂ O , Colorless ,Clear ,50 mg/mL in pass H ₂ O		Pass



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

John Su
QA & QC Manager