

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-26 17:59:47
 Date of Next Testing: 2028-09-25 17:59:47
 Product Name: **n-Dodecyl α -D-maltoside (α -DDM)**
 CAS Number: 116183-64-3
 Specifications & Purity: $\geq 99\%$
 Lot #: I2419032
 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 (%)	0.00100 %
Absorbance(1% detergent solution,340 nm)	0-0.05	0.03000
Absorbance(1% detergent solution,225 nm)	0-0.25	0.24000
Absorbance(1% detergent solution,260 nm)	0-0.15	0.13000
Absorbance(1% detergent solution,280 nm)	0-0.1	0.08000
CMC (H2O)	0.142-0.162 (mmol/L)	0.16100 mmol/L
pH	5-8	7.50000
alpha (HPLC)	94-100 (%)	95.20000 %
Conductance(10% solution)	0-40 (μ S/cm)	20.00000 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



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager