

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-06-27 19:22:42
Date of Next Testing:	2028-06-26 19:22:42
Product Name:	<b>n-Hexadecyl <math>\beta</math>-D-maltoside</b>
CAS Number:	98064-96-1
Specifications & Purity:	97%
Lot #:	F2421015
SKU #	<b>H124520</b>
Version	<b>0</b>
<b>Analysis #:</b>	<b>377659</b>
Storage Temperature:	Store at 2-8°C

Parameter	Limit Values	Result
Absorbance(0.1% detergent solution,225 nm)	0-0.3	0.20
alpha (HPLC)	0-5 (%)	3.30 %
PH(0.1% Water)	5-8	5.50
hexadecanol(HPLC)	0-0.01 (%)	0.01 %
Purity(HPLC)	97-100 (%)	98.00000 %
Fluorescence(0.1% detergent solution at 345 nm)	0-10 (%)	4.60 %
Absorbance(0.1% detergent solution,340 nm)	0-0.05	0.04
Conductance(0.1% solution)	0-80 ( $\mu$ S)	79.90 $\mu$ S
Absorbance(0.1% detergent solution,260nm)	0-0.15	0.14
CMC(H <sub>2</sub> O)(0.00003%)	0.0005-0.0007 (mmol/L)	0.00 mmol/L
Absorbance(0.1% detergent solution,280 nm)	0-0.1	0.09
Appearance (H124520)	White to Off-White Powder or Granules	White to Off-White Powder or Granules
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O(40°C)	pass	Pass



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

John Su  
QA & QC Manager