

## Certificate of Analysis

Date of Testing: 2023-05-08 16:39:07  
 Date of Next Testing: 2027-05-07 16:39:07  
 Product Name: **n-Hexadecyl  $\beta$ -D-maltoside**  
 CAS Number: 98064-96-1  
 Specifications & Purity: 97%  
 Lot #: 11518158  
 SKU #: **H124520**  
**Analysis: 219510**  
 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". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager