

## Certificate of Analysis

Date of Testing: 2022-12-07 17:32:53  
 Date of Next Testing: 2026-12-06 17:32:53  
 Product Name: **2-Cyclohexylethyl  $\beta$ -D-maltoside**  
 CAS Number: 260804-65-7  
 Specifications & Purity: 99%  
 Lot #: B1912044  
 SKU #: **C124547**  
**Analysis: 164361**

Parameter	Limit Values	Result
Absorbance(1% detergent solution,280 nm)	0-0.04	0.02
Absorbance(1% detergent solution,225 nm)	0-0.1	0.03
Absorbance(1% detergent solution,260 nm)	0-0.06	0.04
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in MeOH})$	49.5-55.5 (°)	52.30°
Conductance(10% solution)	0-40 ( $\mu\text{S/cm}$ )	20.50 $\mu\text{S/cm}$
cyclohexylpropanol(HPLC)	0-0.005 (%)	0.00 %
Absorbance(1% detergent solution,340 nm)	0-0.02	0.01
CMC (H <sub>2</sub> O)	118-122 (mmol/L)	120.20 mmol/L
PH	5-8	6.20
Purity(HPLC)	98-100 (%)	98.14400 %
CMC(0.15M NaCl)	102-106 (mmol/L)	104.00 mmol/L
alpha (HPLC)	0-4 (%)	2.20 %
Appearance (C124547)	Powder	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



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

John Su  
QA & QC Manager