

Certificate of Analysis

Date of Testing: 2022-12-07 17:36:25
 Date of Next Testing: 2026-12-06 17:36:25
 Product Name: **2-Cyclohexylethyl β -D-maltoside**
 CAS Number: 260804-65-7
 Specifications & Purity: 99%
 Lot #: B1912045
 SKU #: **C124547**
Analysis: 164362

Parameter	Limit Values	Result
Absorbance(1% detergent solution,280 nm)	0-0.04	0.02
Absorbance(1% detergent solution,225 nm)	0-0.1	0.05
Absorbance(1% detergent solution,260 nm)	0-0.06	0.03
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in MeOH})$	49.5-55.5 (°)	52.10°
Conductance(10% solution)	0-40 ($\mu\text{S/cm}$)	21.30 $\mu\text{S/cm}$
cyclohexylpropanol(HPLC)	0-0.005 (%)	0.00 %
Absorbance(1% detergent solution,340 nm)	0-0.02	0.01
CMC (H ₂ O)	118-122 (mmol/L)	120.40 mmol/L
PH	5-8	6.70
Purity(HPLC)	98-100 (%)	98.13300 %
CMC(0.15M NaCl)	102-106 (mmol/L)	104.20 mmol/L
alpha (HPLC)	0-4 (%)	2.14 %
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



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager