

## Certificate of Analysis

Date of Testing: 2022-12-01 18:20:44  
 Date of Next Testing: 2026-11-30 18:20:44  
 Product Name: **n-Octyl- $\beta$ -D-Thioglucopyranoside**  
 CAS Number: 85618-21-9  
 Specifications & Purity: 99%  
 Lot #: K22291009  
 SKU #: **O108834**  
**Analysis: 139652**  
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Electric Conductivity(0.5% solution)	0-40 ( $\mu$ s)	12.63 $\mu$ s
Purity(HPLC)	99-100 (%)	99.87900 %
Absorbance 280 nm	0-0.2	0.13
alpha (HPLC)	0-2 (%)	0.14 %
Absorbance 260nm	0-0.25	0.11
Absorbance 340 nm	0-0.1	0.03
Appearance (O108834)	white powder	White powder
Aggregation Number (H2O)	~ 189	~ 189
CMC (H2O)	~ 9 mM1 (0.28%)	~ 9 mM1 (0.28%)
dn/dc (H2O)3	0.1562 mL/g	0.1562 mL/g
Fluorescence	345 nm $\leq$ 10% (0.1% detergent solution)	345 nm $\leq$ 10% (0.1% detergent solution)
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager