

Certificate of Analysis

Date of Testing: 2023-10-16 13:51:27
 Date of Next Testing: 2027-10-15 13:51:27
 Product Name: **n-Octyl- β -D-Thioglucopyranoside**
 CAS Number: 85618-21-9
 Specifications & Purity: 99%
 Lot #: J2311077
 SKU #: **O108834**
Analysis: **139652**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Electric Conductivity(0.5% solution)	0-40 (μ s)	12.63 μ 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