

## Certificate of Analysis

Date of Testing:	2022-12-01 18:07:33
Date of Next Testing:	2026-11-30 18:07:33
Product Name:	<b>n-Octyl-<math>\beta</math>-D-Thioglucopyranoside</b>
CAS Number:	85618-21-9
Specifications & Purity:	99%
Lot #:	K2229979
SKU #	<b>O108834</b>
<b>Analysis:</b>	<b>139652</b>
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



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QA & QC Manager