

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-12-08 10:42:49
Date of Next Testing:	2027-12-07 10:42:49
Product Name:	n-Octyl-β-D-Thioglucopyranoside
CAS Number:	85618-21-9
Specifications & Purity:	99%
Lot #:	L2301132
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