

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-07-17 14:27:08
Date of Next Testing:	2027-07-16 14:27:08
Product Name:	<b>Decyl <math>\beta</math>-D-glucopyranoside</b>
CAS Number:	58846-77-8
Specifications & Purity:	BC
Lot #:	G23071161
SKU #	<b>D112862</b>
<b>Analysis:</b>	<b>252780</b>
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.98 %
A260 nm, 1% in water	0-0.03	0.00
n-Decanol	0-0.002 (%)	0.00 %
n-Decyl- $\alpha$ -D-glucoside(HPLC)	0-0.01 (%)	0.00 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	-28--26 (°)	-27.00°
Purity(HPLC)	98-100 (%)	99.89600 %
Appearance (D112862)	White or off-white powder	White or off-white powder
Solubility in MeOH , clear to very slightly hazy colorless, 50mg/ml	pass	Pass
Thermal transition(130°C)	Isotropic	Isotropic
Thermal transition(75.2°C)	Smectic A	Smectic A
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager