

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-07-17 14:18:54
Date of Next Testing:	2027-07-16 14:18:54
Product Name:	Decyl β-D-glucopyranoside
CAS Number:	58846-77-8
Specifications & Purity:	BC
Lot #:	G23071096
SKU #	D112862
Analysis:	252780
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- α -D-glucoside(HPLC)	0-0.01 (%)	0.00 %
Specific Rotation [α] ₂₀ /D(c=1 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