

Specification Sheet

Product Name: **Decyl β -D-glucoopyranoside**
Specifications & Purity: **BC**
SKU #: **D112862**

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