



Certificate of Analysis

n-Octyl β -D-Glucopyranoside

Catalog Number: OG1001
Lot Number: 1108801
CAS Number: 29836-26-8
Synonym(s): Octyl glucoside
Molecular Formula: $C_{14}H_{28}O_6$
Molecular Weight: 292.37
Storage: $< 0^{\circ}\text{C}$
Date of Manufacture: August 16, 2018
Retest Date: August 15, 2020

Test	Specification	Result
Appearance	White powder	Conforms
Purity (HPLC)	$\geq 99.0\%$	99.42%
Purity (TLC)	$\geq 99\%$	$> 99\%$
Identification		
Specific Rotation ($c=1$, MeOH)	-25.0° to -30.0°	-28.4°
MS/NMR	To match reference spectra	Conforms
TLC	To match reference migration	Conforms
FTIR	To match reference spectra	Conforms
Solubility (20% in H ₂ O)	Clear, colorless, free of particulates	Conforms
Moisture (LOD)	$\leq 0.5\%$	0.23%
Residue on Ignition	$\leq 0.5\%$	0.12%
n-Octanol	$\leq 0.05\%$	$< 0.05\%$
α -Isomer	$\leq 0.5\%$	$< 0.07\%$

Approved by:

Date: November 19, 2018

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