



Certificate of Analysis

n-Octyl β -D-thioglucopyranoside

Catalog Number: OT1001
Lot Number: 0416802
CAS Number: 85618-21-9
Synonym(s): Octyl thioglucoside
Molecular Formula: C₁₄H₂₈O₅S
Molecular Weight: 308.44
Storage: < 0°C
Date of Manufacture: February 10, 2014
Retest Date: April 16, 2019

Test	Specification	Result
Appearance	White powder	Conforms
Purity	≥ 99.0%	99.2%
Specific Rotation	-52.0° to -54.0°	-52.4°
Melting Point	125°C – 131°C	126°C – 127°C
Solubility (20% in Water)	Clear, colorless, free of particulates	Conforms
Octanthiol (HPLC)	≤0.001%	< 0.001%
Octyl- α -D-thioglucopyranoside	≤0.01%	< 0.01%

Approved by:

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