



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-281113A
Lot Number: SAMPLE
Product Name: Octylthiogalactoside
CAS Number: 42891-16-7
Molecular Formula: $C_{14}H_{28}O_5S$
Molecular Weight: 308.43

Test	Specification	Result
Appearance (Color)	White to off white	White
Appearance (Form)	Powder to crystalline powder	Powder
Identification (FTIR)	Consistent with reference spectrum	Complies
Purity (GC)	$\geq 98.0\%$	98.7%
Solution (Color)	Colorless 5% in Methanol	Complies
Solution (Turbidity)	Clear (≤ 7.0 NTU)	Clear
Specific Rotation ($\alpha_{20/D}$)	$-35.0^\circ - 31.0^\circ$	-33.3°
Water Content	$\leq 2.0\%$	1.4%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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