



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number 04-1128
Lot Number 000475-4234-16
Product **n-Dodecyl- β -D-maltoside**

1-*O*-Dodecyl- β -D-maltoside

Lauryl- β -D-maltoside

CAS Number 69227-93-6
Molecular Formula C₂₄H₄₆O₁₁

Molecular Weight 510.62

Appearance White powder
Solubility Clear, colorless solution (10% Water)
Water Content (Karl Fisher) 0.4%
Optical Rotation $[\alpha]_D^{20} = +47.6^\circ$ (C=1 in Water)
Related Substances n-Dodecanol: < 0.005%
¹H NMR Conforms to structure
Purity by HPLC 99.6%
Purity by TLC > 99%
Application It is a non-ionic detergent useful in membrane-protein solubilization studies.
Storage Store at 0-8 °C

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