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Certificate of Analysis

Catalogue Number	21950
Lot Number	000475-21-231-074
Product	n-Dodecyl-β-D-maltoside 1- <i>O</i> -Dodecyl- β -D-maltoside Dodecyl 4- <i>O</i> - α -D-glucopyranosyl- β -D-glucopyranoside
CAS Number	69227-93-6
Molecular Formula	C ₂₄ H ₄₆ O ₁₁
Molecular Weight	510.62
Appearance	White powder
Solubility	Clear, colorless solution (10% water)
Water Content (Karl Fisher)	0.4%
Optical Rotation	+46.6° (c=1 in water)
UV Ratios	Absorption (1%/1cm) λ_{\max} 260 nm: 0.010 AU
Related Substances	n-Dodecanol: < 0.005%
¹H NMR	Conforms to structure
Purity by HPLC	99.9%
Purity by TLC	100%
Application	It is a non-ionic detergent useful in membrane-protein solubilization studies.
Storage	Store at 0-8 °C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager