

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	21605
Lot Number	001684-20130320
Product	n-Dodecyl-β-D-glucopyranoside

1-*O*-Dodecyl- β -D-glucopyranoside

n-Dodecyl- β -D-glucoside

CAS Number	59122-55-3
Molecular Formula	C ₁₈ H ₃₆ O ₆
Molecular Weight	348.48

Appearance	White powder
Optical Rotation	$[\alpha]_D^{20} = -24.2^\circ$ (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to structure
UV Ratios	λ_{\max} 260 nm = < 0.3
Loss on Drying	0.2%
Residue On Ignition	0.1%
¹H NMR	Conforms to structure
Purity by HPLC	98.4%
Purity by TLC	> 98%
Storage	Store at 0-8°C

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Lot Number: 001684-20130320

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