



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-257032
Lot Number: SAMPLE
Product Name: α -D-Cellobiose octaacetate
CAS Number: 5346-90-7
Molecular Formula: $C_{28}H_{38}O_{19}$
Molecular Weight: 678.59

Test	Specification	Result
Appearance (Color)	White/colorless	White
Appearance (Form)	Powder to powder with lumps, fibres	Powder with lumps
Identification (Infrared Spectrum)	Consistent with standard spectrum	Complies
Purity (TLC)	$\geq 96.0\%$	100.0%
Melting Point	225 - 232 °C	228 °C
Solution (Color)	Colorless to faintly brownish yellow solution at 100 mg/ml in $CHCl_3$	Very faintly brownish-yellow
Solution (Turbidity)	Clear to almost clear solution at 100 mg/ml in $CHCl_3$	Almost clear (3.6 - 5.5 NTU)
Specific Rotation ($\alpha_{20/D}$)	$41.5 \pm 2.0^\circ$ (c = 1 in $CHCl_3$)	41.8°
Carbon Content	49.55%	49.50%
Hydrogen Content	5.64%	5.51%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com