



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-222043
Lot Number: SAMPLE
Product Name: β -Naphthyl α -D-Glucopyranoside
CAS Number: 25320-79-0
Molecular Formula: $C_{16}H_{18}O_6$
Molecular Weight: 306.31

Test	Specification	Result
Appearance	White to off-white powder to crystalline powder	White powder
Identification (FTIR)	Consistent with reference spectrum	Complies
Identification (TLC)	Consistent with reference material	Complies
Purity (HPLC)	$\geq 98.0\%$	99.5%
Melting Point	205 - 209 °C	208 °C
Solution (Color)	Colorless to almost colorless solution at 1% in ethanol/water (1: 1) at 50 °C	Colorless
Solution (Turbidity)	Clear (≤ 7.0 NTU) solution at 1% in ethanol/water (1: 1) at 50 °C	Clear
Specific Rotation ($\alpha_{20/D}$)	158.0 -164.0	162.8
Water Content (KF)	$\leq 1.0\%$	0.2%

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