

## Certificate of Analysis

Date of Testing: 2023-02-21 20:16:17  
Date of Next Testing: 2027-02-20 20:16:17  
Product Name: **Nonyl  $\beta$ -D-glucoopyranoside**  
CAS Number: 69984-73-2  
Specifications & Purity: 98%  
Lot #: B23171097  
SKU #: **N111859**  
**Analysis: 183705**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
$\alpha$ -Isomere(HPLC)	0-0.01 (%)	0.01 %
Absorbance	0-0.03	0.02
n-Nonanol	0-0.001 (%)	0.00 %
Purity(HPLC)	98-100 (%)	99.62700 %
Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in H}_2\text{O})$	-35--31 (°)	-31.01 °
Appearance (N111859)	White or off-white powder	White or off-white powder
Solubility 50 mg/ml, CH <sub>3</sub> OH	Colorless Clear to Very Slightly Hazy	Colorless Clear to Very Slightly Hazy
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager