

## Certificate of Analysis

Date of Testing: 2023-04-07 11:39:53  
Date of Next Testing: 2027-04-06 11:39:53  
Product Name: **2,3,4,6-Tetra-O-acetyl- $\beta$ -D-glucopyranosyl 2,2,2-Trichloroacetimidate**  
CAS Number: 92052-29-4  
Specifications & Purity: >98.0%(N)  
Lot #: C23241099  
SKU #: **T161872**  
**Analysis: 193975**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(TLC)	98-100 (%)	99.87%
Melting point	154-160 (°C)	159.89000 °C
Specific rotation $[\alpha]_{20}^D(C=1, CHCl_3)_{6-9}$ (°)		8.97°
Appearance (T161872)	White to Almost white powder to crystal	White to Almost white powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager