

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-24 10:44:07

Date of Next Testing: 2026-08-23 10:44:07

Product Name: **Z-D-Glu(OtBu)-OH**

CAS Number: 51644-83-8

Specifications & Purity: $\geq 98.5\%$

Lot #: H2219466

SKU #: **Z116875**

Version: **0**

Analysis #: **103816**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	80-90 (°C)	89.64000 °C
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$	12-16 (°)	13.68700 °
Purity(HPLC)	98-100 (%)	99.70900 %
Appearance (Z116875)	White flocculent solid	White flocculent solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager