

Certificate of Analysis

Date of Testing: 2023-08-07 10:08:30

Date of Next Testing: 2027-08-06 10:08:30

Product Name: **β -D-Glucosamine pentaacetate**

CAS Number: 7772-79-4

Specifications & Purity: 98%

Lot #: J1924248

SKU #: **A111893**

Analysis: **260693**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in CHCL}_3)$	1-3.5 (°)	2.02 °
Purity(HPLC)	98-100 (%)	98.01600 %
Melting point	185-189 (°C)	187.53000 °C
Appearance (A111893)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR (1H-NMR)	complies	complies



John Su
QA & QC Manager