

Certificate of Analysis

Date of Testing: 2023-12-28 14:38:59
 Date of Next Testing: 2027-12-27 14:38:59
 Product Name: **N-Acetyl-D-glucosamine**
 CAS Number: 7512-17-6
 Specifications & Purity: Cell culture grade, 98% or more
 Lot #: L2320440
 SKU #: **A118965**
Analysis: **302538**
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	39-43 (°)	41.40°
Purity(HPLC)	98-100 (%)	99.10000%
UV Absorbance 280nm (C = 0.25 M in H ₂ O)	0-0.6	0.30000
Cell Culture Test	pass	Pass
Appearance (A118965)	White to Off-White Powder	White to Off-White Powder
Solubility in H ₂ O , Colorless to Faint Yellow Clear ,50 mg/mL, H ₂ O	pass	Pass
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager