

## Certificate of Analysis

Date of Testing: 2023-12-28 14:55:26

Date of Next Testing: 2027-12-27 14:55:26

Product Name: **N-Acetyl-D-glucosamine**

CAS Number: 7512-17-6

Specifications & Purity: Cell culture grade, 98% or more

Lot #: L2320443

SKU #: **A118965**

**Analysis:** **302538**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] <sub>D</sub> (c=1 in H <sub>2</sub> O)	39-43 (°)	41.40°
Purity(HPLC)	98-100 (%)	99.10000%
UV Absorbance 280nm (C = 0.25 M in H <sub>2</sub> 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 <sub>2</sub> O , Colorless to Faint Yellow Clear ,50 mg/mL, H <sub>2</sub> O	pass	Pass
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager