

Certificate of Analysis

Date of Testing: 2024-07-20 10:53:12
Date of Next Testing: 2028-07-19 10:53:12
Product Name: **N-Acetyl-D-glucosamine**
CAS Number: 7512-17-6
Specifications & Purity: Cell culture grade, 98% or more
Lot #: G2418387
SKU #: **A118965**
Version: **1**
Analysis #: **382519**
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 (°)	41.75°
Purity(HPLC)	98-100 (%)	99.10000%
UV Absorbance 280nm (C = 0.25 M in H ₂ O)	0-0.6	0.30000
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
Cell Culture Test	pass	Pass
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager