

Certificate of Analysis

Date of Testing: 2024-10-30 10:33:19
Date of Next Testing: 2028-10-29 10:33:19
Product Name: **N-Acetyl-D-glucosamine**
CAS Number: 7512-17-6
Specifications & Purity: for cell culture, $\geq 98\%$
Lot #: J2428460
SKU #: **A118965**
Version: **1**
Analysis #: **423586**
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 ($^{\circ}$)	42.60 $^{\circ}$
Purity(HPLC)	98-100 (%)	98.80000%
UV Absorbance 280nm (C = 0.25 M in H ₂ O)	0-0.6	0.60000
Appearance (A118965)	White to Off-White Powder	White to Off-White Powder
Cell Culture Test	pass	Pass
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