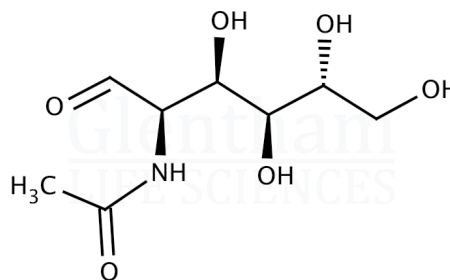


## Certificate of Analysis

Product Name	N-Acetyl-D-glucosamine, USP grade
Glentham Code	GC4097
CAS Number	7512-17-6
EINECS	231-368-2
MDL Number	MFCD00061615
Batch Number	481GPF
Molecular Weight	221.21
Molecular Formula	$C_8H_{15}NO_6$
Storage Temp.	-20°C



Property	Specification	Batch 481GPF
Physical Description	White to almost white crystalline powder	White powder
Identification (IR)	To conform to standard	Conforms
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	+39.0 - +43.0 °	+41.2°
Melting Point	196.0 - 205.0 °C	202.3 - 203.4 °C
Residue on Ignition	≤ 0.1%	0.04%
Chloride (Cl)	≤ 0.1%	0.06%
Iron (Fe)	≤ 10ppm	Conforms
Loss on Drying	≤ 0.5%	0.15%
Assay	98.0 - 102.0 %	99.2%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version	v1.0
Manufacture Date	2021-05-25
Re-Test Date	2028-05-06

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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