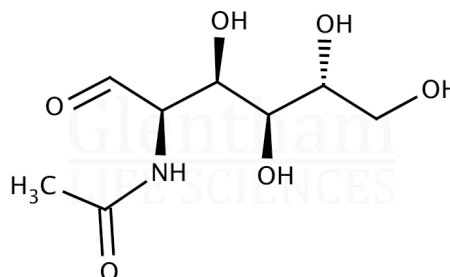


Certificate of Analysis

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 or contact us using the details above for the current version of this document.

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