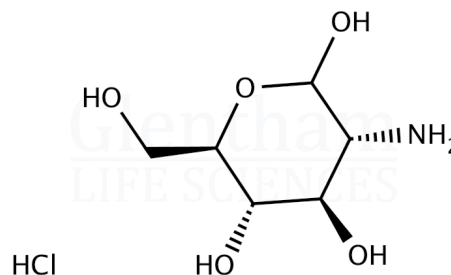


Product Specification

Product Name	D-Glucosamine hydrochloride, USP grade
Glentham Code	GC4951
CAS Number	66-84-2
EINECS	200-638-1
MDL Number	MFCD00135831
Additional CAS	3416-24-8
Molecular Weight	215.64
Molecular Formula	$C_6H_{13}NO_5 \cdot HCl$
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystalline powder
Identification	A, B, C according to USP
Specific Optical Rotation	+70.0 - +73.0 ° (c=2.5)
pH (2% in water)	3.0 - 5.0
Residue on Ignition	≤ 0.1%
Chloride	16.2 - 16.7 %
Sulfate	≤ 0.24%
Heavy Metals (as Pb)	≤ 10ppm
Arsenic (As)	≤ 3ppm
Loss on Drying	≤ 0.5%
Assay	98.0 - 102.0 % (dried basis)
Pharmacopoeia Specification(s)	USP

Specification Version	-	v1.0
Date Created	-	2017-05-09

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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