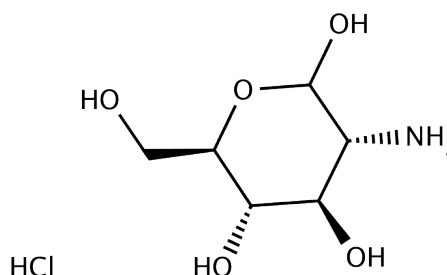


## Product Specification

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<sub>6</sub>H<sub>13</sub>NO<sub>5</sub> · 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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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