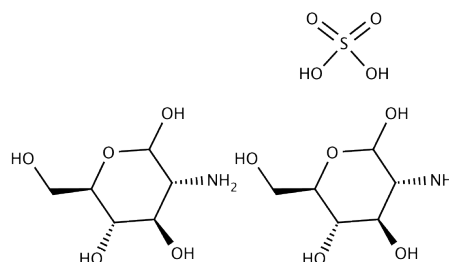


## Product Specification

Product Name	D-Glucosamine sulfate, potassium chloride salt
Glentham Code	GC1036
CAS Number	14999-43-0
EINECS	249-379-6
MDL Number	MFCD00080790
Additional CAS	29031-19-4
Additional CAS	38899-05-7
Additional CAS	216699-44-4
Additional CAS	1296149-08-0
PubChem SID	310274175
Molecular Weight	605.52
Molecular Formula	2(C <sub>6</sub> H <sub>13</sub> NO <sub>5</sub> ) · H <sub>2</sub> SO <sub>4</sub> · 2KCl
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystalline powder
Identification	A, B, C, D according to USP
Specific Optical Rotation	+47.0 - +53.0 °
pH (2% in water)	3.0 - 5.0
Residue on Ignition	26.5 - 31.5 %
Chloride (Cl)	11.8 - 12.8 %
Sulphates	15.5 - 16.5 %
Iron (Fe)	≤ 10ppm
Arsenic (As)	≤ 1ppm
Lead (Pb)	≤ 3ppm
Mercury (Hg)	≤ 0.1ppm
Cadmium (Cd)	≤ 1.0ppm
Heavy Metals	≤ 10ppm
Sodium (Na)	To pass test
Loss on Drying	≤ 1.0%
Content	98.0 - 102.0 %
Pharmacopoeia Specification(s)	USP

Specification Version - v1.0  
Date Created - 2015-11-13

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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