



SPECIFICATION

Product : D-GLUCOSAMINE HCl

Species : crust, carapace skin of crustacea

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Product-no. : 5210002900

Version : 6

Synonyme : D-Glucosamin hydrochlorid (ASK)

Valid from : 11/10

CAS-no. : 3416-24-8

Formula : $C_6H_{13}NO_5 \cdot HCl$

Mol.-weight : 215.64

Controls	Specification	Method
Description	white, crystalline free flowing powder	USP32 <695>
Identification	A: Infrared absorption B: it meets the requirements of the tests for chloride C: the retention time is the assay corresponds to the standards	USP32 <197K> USP32 <191> USP32
Specific rotation	+70° to + 73°	USP32 <781S>
Loss on drying (at 105° for 2 h)	≤ 1.0 %	USP32 <731>
Residue on ignition	≤ 0.1 %	USP32 <281>
pH	3.0 - 5.0	USP32 <791>
Heavy metals	≤ 10 ppm	USP32 <231> Method II
Lead	≤ 3 ppm	USP32 <251>
Iron	≤ 10 ppm	USP32 <241>
Arsenic	≤ 3 ppm	USP32 <211> Method II
Chloride	16.2 – 16.7 %	USP32 <221>
Sulfate content	≤ 0.24 %	USP32 <221>
Organic volatile impurities	meets the requirements of the USP test	USP32 <467> Method I
Bulk density	≥ 0.75 g/ml	USP32 <616>
Particle size	all through 30 mesh	USP32 <811>

please turnover



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Controls	Specification	Method
Assay	98.0 – 102.0 %	USP32 page 1029, <621>
<i>Microbiological tests</i>		
Total bacterial count	≤ 1000 CFU/g	USP32 <61>
Yeast and mould	≤ 100 CFU/g	USP32 <61>
Escherichia coli	negative	USP32 <61>
Salmonella	negative	USP32 <61>
Staphylococcus aureus	negative	USP32 <61>

Primary packing : polybags or security container

Storage : well closed, light-resistant containers

Durability : 24 months