



Specification

Concerning Product:	
Article number	66842KULK
Trade name / designation / denomination	Glucosamine HCl, USP
CAS number	66-84-2
Other names / synonyms	•glucosamine hydrochloride;
EC number	200-638-1
Customs tariff number / CN code / TARIC	29329900

Parameter	Specification	Unit
Organoleptic test		
Appearance	White crystalline, free flowing powder	
Physical parameter		
Loss on drying	≤ 1.0	%
pH value	3.0 – 5.0	
Specific Optical Rotation	70.0 – 73.0	°
Bulk density	≥ 0.75	g/ml
Identity		
Assay	(on dried basis) 98.0 – 102.0	%
Infrared absorption spectrometry	A: infrared absorption	
Retention time	C: the retention time in the assay corresponds to the standards	
Test for Chloride	B: meets the requirements of the tests for chloride	
Impurities		
Residue on ignition	≤ 0.1	%
Heavy Metals (as Pb)	≤ 10	ppm
Sulphates (SO ₄)	≤ 0.24	%
Elemental Impurities		
Arsenic (As)	≤ 3	ppm
Chlorides (Cl)	16.2 – 16.7	%
Lead (Pb)	≤ 3	ppm
Microbiological data		
Escherichia Coli.	≤ 0	CFU/g
Salmonella	≤ 0	CFU/g
Staphylococcus Aureus	≤ 0	CFU/g
Total Plate Count	≤ 1000	CFU/g
Yeast and Mould	≤ 100	CFU/g
Particle size distribution		
Particles pass 30 mesh	≥ 100	%

Supplemental information:

Derivation: From crust, carapace skin of crustacea.

Storage conditions: Preserve in tight, light-resistant containers.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 25. Feb. 2019

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