



## Specification

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

Parameter	Test Method	Specification	Unit
<b>Organoleptic test</b>			
Appearance		white crystalline powder	
<b>Physical parameter</b>			
Loss on drying	USP	≤ 1,0	%
pH value	USP	3,0 – 5,0	
Specific Optical Rotation	USP	70,0 – 73,0	°
Bulk density	USP	≥ 0,6	g/ml
<b>Identity</b>			
Assay	USP	98 – 102	%
Identification	USP	A: Infrared Absorption, B: It meets requirements of chloride, C: HPLC	
<b>Impurities</b>			
Residue on ignition	USP	≤ 0,1	%
Heavy Metals (as Pb)	Atomic Absorption	≤ 10	ppm
Sulphates (SO <sub>4</sub> )	USP	≤ 0,24	%
<b>Elemental Impurities</b>			
Arsenic (As)	Atomic Absorption	≤ 1	ppm
Cadmium (Cd)	Atomic Absorption	≤ 1	ppm
Chlorides (Cl)	USP	16,2 – 16,7	%

Iron (Fe)	USP	≤ 10	ppm
Mercury (Hg)	Atomic Absorption	≤ 1	ppm
Lead (Pb)	Atomic Absorption	≤ 3	ppm
<b>Organic volatile impurities</b>			
Org. volat. Imp. Total	USP	meets the requirements	
<b>Microbiological data</b>			
Escherichia Coli.	USP	Negative	
Salmonella	USP	negative	
Total Plate Count	USP	≤ 1000	CFU/g
Yeast and Mould	USP	≤ 100	CFU/g
<b>Particle size distribution</b>			
Particles	20 Mesh Screen	30 - 40 Mesh: ≤ 100	%

**Regulatory information:**

**Allergens statement:** Allergen free

**BSE/TSE statement:** BSE/TSE-free

**GMO statement:** Non-GMO

**Irradiated Status:** Non-irradiated

**Supplemental information:**

**Shelf life:** 24 months

**Storage conditions:** Keep in cool and dry Stay away from strong light and heat.

**Packing:** Packed in paper drums and two plastic- bags inside , 25 kg/Drum

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 15. May. 2020

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