



Specification

Glucosamine Sulfate 2KCL DC-95

CAS Number:	38899-05-7
Synonym(s):	2-Amino-2-deoxy-D-glucose hydrochloride, Chitosamine hydrochloride
Molecular Formula:	(C ₆ H ₁₄ NO ₅) ₂ SO ₄ •2KCL
Molecular Weight:	605.52
Storage:	15°C – 30°C
Retest Period:	Two years after date of manufacture.

Test	Specification
Appearance	White to slight off-white powder.
Solubility	Soluble in water
Stability	Stable under recommended storage conditons
Carrier/Other Ingredients	HPMC ≤5.00%
Assay (Dry Basis)	≥ 95.0%
identification	Positive
Particle Size	100% through 20 US Mesh
Specific Rotation	+46.5 ~ +51.0°
pH	3.5 ~ 5.0
Sulfate	15.5%~ 16.5%
Chloride	11.1%~12.8%
Residue on Ignition	≤ 30.0%
Loss on Drying	≤ 2.00%
Residue on Ignition	25.5% - 29.5%
Residual Solvent Ethanol	≤ 5,000 PPM
Heavy Metals	≤ 10 ppm
Arsenic	≤ 0.5 ppm
Cadmium	≤ 0.5 ppm
Lead	≤ 0.5 ppm
Mercury	≤ 0.5 ppm
Total Aerobic Count	≤ 1000cfu/g
Yeast & Mold	≤ 100cfu/g
Coliforms	Negative
<i>E. coli</i>	Negative
<i>Salmonella</i>	Negative
<i>Staph. Aureus</i>	Negative

Approved:

Date: May 12, 2020



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