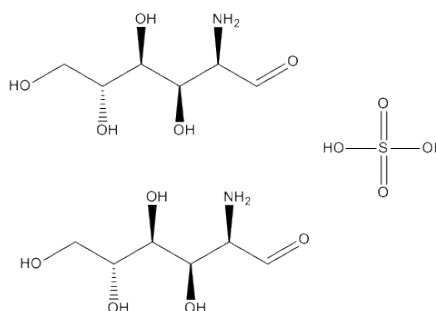


Certificate Of Analysis

Name: Glucosamine sulfate
CAS No.: 14999-43-0
Cat No.: A808991
Molecular Formula: C₁₂H₂₈N₂O₁₄S
Molecular Weight: 456.42
Batch No.: G05062021
Mfg.Date: 2021.06.05
Exp.Date: 2023.06.04



Items	Specifications	Results
Appearance	White crystalline powder	Conforms
loss on drying	≤1.0%	0.11%
PH	3.0-5.0	4.51
Burning residue	22.5%-26.0%	25.16%
Sulfate	16.3%-17.3%	16.8%
Chloride	11.7%-13.0%	12.41%
Potassium salt	positive reaction	Conforms
Heavy metal	≤10ppm	Conforms
Arsenic	≤3ppm	Conforms
Bulk density	≥0.8g/ml	0.84g/ml
Solvent remains	Ethanol≤5000ppm	600ppm
Assay	98%-102%	99.44%
Total number of colonies	≤1000CFU/G	Conforms
Mold and Yeast	≤100CFU/G	Conforms
Escherichia coli	None	Conforms
Salmonella	None	Conforms
Conclusion	The product tested complies with the specifications.	

Storage condition: Store in a tightly closed container in a cool and dry place.

Checker: