

CERTIFICATE OF ANALYSIS

Product Name:	D-Glucosamine hydrochloride	CAS No. :	66-84-2
Molecular Formula:	C ₆ H ₁₄ ClNO ₅	Molecular Weight:	215.63
Batch No:	ST210409	Quantity:	1500kg
Manufacturing date:	2021.04.09	Expire date:	2021.04.08

Item	Specification	Results
Appearance	White crystalline powder	White crystalline powder
Identification	A: The IR absorption spectrum is concordant with the standard spectrum	Conforms
	B: Identification tests of chloride meets the requirements	Conforms
	C: HPLC, the retention time of the glucosamine peak of the sample solution corresponds to that of the standard solution, as obtained in the assay	Conforms
Optical rotation	+70.0°~+73.0°	+71.5°
PH	3.0-5.0	3.5
Loss on drying	≤1.0%	0.2%
Residue on ignition	≤0.1%	0.03%
Sulfate	≤0.24%	<0.24%
Arsenic	≤3ppm	<3ppm
Heavy metals	≤10ppm	<10ppm
Ethanol	≤500ppm	100ppm
Assay	98.0%~102.0%	99.4%

Conclusion	The batch is in compliance with USP42.
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QC:



QA:

