



CERTIFICATE OF ANALYSIS

Product Name:	D-Glucosamine Sulfate 2NaCl		
Batch NO. :	24041301	CAS No.:	38899-05-7
Mfg.Date:	2024.04.13	Retest Date :	2027.04.12
Reference:	USP42	Batch Qty. :	1000.00kgs

Sr.No	ITEMS	SPECIFICATIONS	RESULTS
01.	IDENTIFICATION		
	A. IR	The IR spectrum of the Sample matches that of a similar preparation of Glucosamine Hydrochloride RS, except that the addition of barium chloride TS is omitted	Conforms
	B. IDENTIFICATION TESTS OF CHLORIDE AND SODIUM	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
	D. SULFATE	In the test for <i>Content of Sulfate</i> , after the addition of barium chloride TS a white precipitate is formed	Conforms
02.	DESCRIPTION	A white crystalline powder	A white crystalline powder
03.	OPTICAL ROTATION	+50.0° ~ +55.0°	+52.5°
04.	pH	3.0~5.0	4.5
05.	LOSS ON DRYING	Not more than 1.0%	0.05%
06.	RESIDUE ON IGNITION	22.5%—26.0%	24.2%
07.	POTASSIUM	No precipitate is formed	Conforms
08.	ARSENIC	Not more than 3 µg/g	< 3 µ g/g
09.	HEAVY METALS	Not more than 10ppm	<10ppm
10.	RESIDUE SOLVENTS		
	Ethanol	Not more than 500 ppm	221ppm
11.	CONTENT OF SULFATE	16.3%—17.3%	16.7%
12.	ASSAY	98.0%—102.0%	99.4%
13.	PARTICLE SIZE DISTRIBUTION THROUGH 40-MESH	Not less than 95%	99%

Remark: /

Approved by: Chen Hairong

Date:2024.4.15

Checked by:Jia Xiaoming

Date:2024.4.15

Analysed by:Guo Dongqin

Date:2024.4.15

