



JIAXING HENGJIE BIOPHARMACEUTICAL CO., LTD.

CERTIFICATE OF ANALYSIS

COA NO.: HS2301289

Product:	CHONDROITIN SULFATE SODIUM		
Original	Bovine	Report Date	2023/01/17
Batch No.:	HS2301289	Quantity:	25KG
Net Weight:	25KG/DRUM	Gross weight:	27.5KG/DRUM
Manufacturing Date:	2023/01/10	Expiry Date:	2025/01/09

ITEMS	SPECIFICATIONS (TEST METHOD)	RESULT
Appearance	White to off-white powder	Pass
Identification	Infra Red Confirmed (USP197K)	Pass
	Sodium reaction (USP191)	Positive
Assay(dry base)	NLT90.0% (CPC)	91.5%
Loss on drying	Less than12.0%(USP731)	8.5%
Protein	NMT6.0%(USP43)	4.8%
Heavy Metal	NMT20ppm(Method II USP231)	Pass
pH (1%H ₂ O solution)	5.5-7.5(USP791)	6.4
Specific Rotation	- 20.0° ~ -30.0°(USP781S)	-22.5°
Residue on Ignition(dry base)	20.0%-30.0% (USP281)	23.2%
Clarity (5%H ₂ O solution)	≤0.35@420nm	0.21
Electrophoretic purity	NMT2.0%(USP726)	Pass
Total Bacteria Count	≤1000CFU/g (USP2021)	Pass
Yeast & Mold	≤100CFU/g (USP2021)	Pass
Salmonella	Negative (USP2022)	Negative
E.Coli	Negative (USP2022)	Negative
Staphylococcus Aureus	Negative (USP2022)	Negative
Particle size	100% through 80 mesh	Pass
Storage: keep in an airtight container, protected from light		

CONCLUSION: CONFORM TO USP 43 REQUIREMENTS

CHECKER: 顾金霞



PRINCIPAL: 刘文明