

## SUNNY CHEMGROUP CO., LIMITED

ADDRESS: 218 C 5/F JAFFE MANSION 218 JAFFE RD WAN CHAI HONGKONG  
CERTIFICATE OF ANALYSISINVOICE NO.: TTSFC798/25  
PO NO.:7088

Product:	CHONDROITIN SULFATE SODIUM		
Original	Bovine	Report Date	2025/09/27
Batch No.:	HS2509063	Quantity:	1000KG
Net Weight:	25KG/DRUM	Gross weight:	27.5KG/DRUM
Manufacturing Date:	2025/09/20	Re-test Date:	2027/09/19

ITEMS	SPECIFICATIONS (TEST METHOD)	RESULT
Appearance	White to light yellow powder	Pass
Identification	Infra Red Confirmed (USP197K)	Pass
	Sodium reaction (USP191)	Positive
Assay(dry base)	90.0%~105.0% (CPC)	91.0%
Loss on drying	Less than10.0%(USP731)	9.1%
Protein	NMT6.0%(USP43)	4.3%
Heavy Metal	NMT20ppm(Method II USP231)	Pass
pH (1%H <sub>2</sub> O solution)	5.5-7.5(USP791)	6.5
Specific Rotation	- 20°~ -30°(USP781S)	-22.4°
Residue on Ignition(dry base)	20%-30% (USP281)	26.8%
Clarity (5%H <sub>2</sub> O solution)	≤0.35@420nm	0.10
Chloride	NMT0.5%(USP221)	< 0.5%
Sulfates	NMT0.24%(USP221)	< 0.24%
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: 25kg/drum, keep in an airtight container, protected from light.

CONCLUSION: CONFORM TO USP43 REQUIREMENTS

CHECKER:

PRINCIPAL:

AC-070-101  
30680P  
09/10/26  
Fus Pts 3

**APROBADO**