

CERTIFICATE OF ANALYSIS

Product Name	Chondroitin Sulfate	Batch Size	1000kg
Origin	Bovine	Retest Date	2026.06. 12
MFG. Date	2024.06. 13	Test basis:	(USP40)(Chondroitin Sulfate testing SOP)

Test items	Acceptance criteria	Results
Appearance	White or like white powder	Fine White
Clarity and color of solution OD ₄₂₀	≤0.35	0.087
CPC dried basis	90.0%~105.0%	92.25%
Specific Rotation[a] _D ²⁵	-20.0°~-30.0°	-24.77%
PH	5.5~7.5	6.53
Loss on Drying	≤10.0%	8.75%
Residue on ignition	20.0%~30.0%	24.40%
Heavy metals	≤0.002%	<0.002%
Electrophoretic purity	≤2.0%	<2.0%
Residual Solvent(Ethanol)	≤5000PPM	2141PPM
Limit of protein	≤6.0%	4.11%
Total bacterial count	≤1000 cfu/g	100cfu/g
Yeast & Mold	≤100 cfu/g	0cfu/g
Salmonella	Absent	Absent
E.coli	Absent	Absent



QC MANAGER: Feng Li

ANALYST: Guo Shan