



SPECIFICATION SHEET

Chondroitin Sulfate Sodium (Bovine)

CAS NO.: 9082-07-9

Molecular Formula: $(C_{14}H_{19}NO_{14}SNa_2)_n$

GENERAL CHARACTERISTICS

Appearance	Fine powder
Color	White to off white

ANALYTICAL CHARACTERISTICS

Identification	A: IR Confirmed B: Sodium Reaction
Assay (CPC dry)	90~105%
Specific Rotation	-20°~-30°
Clarity (5% H ₂ O solution)	Max 0.35 at 420nm
Particle Size	100% through 80 mesh
Loss on drying	Max 10%
Protein	Max 6.0%
pH	5.5~7.5
Residue on Ignition	20~30%
Electrophoretic purity	Max 2.0%
Chloride	Max 0.5%
Sulfates	Max 0.24%
Heavy Metals	Max 20ppm

MICROBIAL CHARACTERISTICS

Total Plate Count	Max 1,000cfu/g
Yeasts & Molds	Max 100cfu/g
<i>E. Coli</i>	Negative
<i>Salmonella</i>	Negative
<i>Staphylococcus aureus</i>	Negative

PACKING & SHELF LIFE

Package	25kg/drum, pack in paper-drums and two plastic-bags inside.
Storage	In cool & dry place. Keep away from strong light and heat.
Shelf life	2 years if sealed and stored properly.