



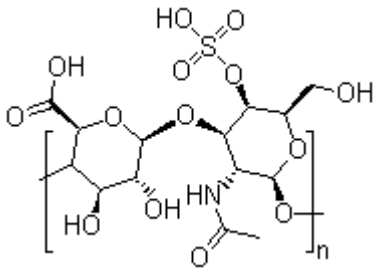
HANGZHOU DINGYAN CHEM CO.,LTD

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

CERTIFICATE OF ANALYSIS

NO: DYC0718112304

Product name	chondroitin sulfate
Origin	Bovine cartilage
CAS Number	9007-28-7
Molecule Structure	
Molecule Formula	C ₁₃ H ₂₁ NO ₁₅ S
Batch number	20170109
Manuf date	2017-01-09
Testing date	2017-01-09

Analysis tests	Standard	Results
Appearance	White to off white powder	Complies
Specific rotation	-20°~-30°	-25°
Identification	A. Infrared spectrum should conform B. Should conform	Complies
PH	5.5~7.5	6.62
Loss on drying	≤10.0%	9.24%
Protein	≤6.0%	3.1%
Residue on ignition	20.0%~30.0%	24%
Heavy Metals (USP)	< 10ppm	< 10ppm
Lead	< 1ppm	< 1ppm
Microbiology (USP)	Total Plate Count< 1,000 cfu/g Yeast and Molds< 100 cfu/g Escherichia coli: Absent Salmonella species Staphylococcus aureus Pseudomonas aeruginosa: Absent	150 60 Absent Absent Absent Absent
Assay (USP-CPC Titration)	≥ 98.0% (dry basis)	98.0%
Conclusion	Conform (USP)	

Hangzhou Dingyan Chem Co. Ltd.
QUALITY CONTROL:
Becky
Quality Control
Signature(s)

CHECK: 姚仙娟

INSPECTOR: 刘清风