



Your Gateway to Asian Life Science

Chondroitin Sulfate

CAS No: 9007-28-7

FORMULA

$C_{31}H_{52}O_3$

DESCRIPTION

Clear, greenish yellow, viscous oily liquid

GRADE

USP 32, HPLC

CATEGORY

Raw material

SPECIFICATION

ITEMS	STANDARD
Appearance	White to white ivory powder
Sulfate	White precipitation
Sodium	6.0% - 8.0%
Acridol reaction	Yellow precipitate
IR spectrophotometry	Positive (1230-127820 cm)
Clarity and Color of Solution	0.35 Max at 420 nm
Specific Rotation	-20.0° to -30.0°
Chondroitin Sulfate Assay (CPC)	90% Min (O.D.B)
HPLC	90% Min (O.D.B)
Loss on Dry	10% Max
pH	5.5 – 7.5
Particle size	100% through 80 mesh
Bulk density	0.60 g/ml Min
Content of Protein	6.0% Max (Dried Basis)
Residue on Ignition	20% - 30%
Heavy Metals (Pb)	20 PPM Max
Chloride	0.5% Max
Total Plate Count	1000 cfu/g Max
Yeast & Mold	100 cfu/g Max
E. Coli	Negative
Salmonella	Negative
Clostridium	Negative
Cadmium (Cd.)	< 0.4 PPM
Mercury (Hg.)	< 0.4 PPM
Arsenate (As.)	< 2.0 PPM
Lead (Pb)	< 0.5 PPM

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