

## Certificate of Analysis

Date of Testing: 2025-05-05 16:03:08

Date of Next Testing: 2028-05-04 16:03:08

Product Name: **Heparan Sulfate**

CAS Number: 9050-30-0

Specifications & Purity: Potency  $\geq$  50IU/mg

Lot #: D2528014

SKU #: **H304938**

Version: **2**

Analysis #: **120918**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
potency	$\geq$ 50 (IU/mg OR I.U./mg)	58.00 IU/mg OR I.U./mg
Loss on drying	$\leq$ 5.0 (%)	2.50 %
Light absorption 260nm	$\leq$ 0.45	0.31000
Light absorption 280nm	$\leq$ 0.35	0.19800
PH	5.5 -7.5	6.50
Bacteria counts	$\leq$ 100 (cfu/g)	23.50000 cfu/g
Molds and yeasts	$\leq$ 10 (cfu/g)	4.20000 cfu/g
Appearance(H304938)	White to off-white	white to off-white to yellow powder
Impurity(NMR)(The N-acetyl protons of heparin show a single peak at 2.04 $\pm$ 0.02ppm. No peak should be visible at 2.16 $\pm$ 0.03ppm.(Not included 13C satellite peak).)	Conforms to Structure	Conforms to Structure



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