

Certificate of Analysis

Date of Testing: 2024-04-27 15:17:44

Date of Next Testing: 2027-04-27 15:17:44

Product Name: **Heparin calcium**

CAS Number: 37270-89-6

Specifications & Purity: Mw 15000-19000

Lot #: D2418455

SKU # **H283849**

Analysis: **344945**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific rotation $[\alpha]_{20/D(C=0.04, H_2O)}$	≥ 50 (°)	62.00000°
pH (0.10g/10ml)	6-8	6.80000
Molecular Weight* (MW)	15000-19000	17959.00
Residual solvents(Ethanol)(anhydrous)	0-0.5 (%)	0.02000 %
Loss on drying	0-5 (%)	1.90 %
Residue on Ignition	28-41 (%)	35.30000 %
Calcium(Ca) anhydrous	9.5-11.5 (%)	10.50 %
Sodium (Na)(anhydrous)	0-0.15 (%)	0.04 %
Heavy metals	0-30 (ppm)	25.00 ppm
Identification	pass	Pass
Solubility in Water	Pass	Pass
Appearance(H283849)	white to off-white solid	White to off-white solid



John Su
QA & QC Manager