

## Certificate of Analysis

Date of Testing: 2022-05-21 08:14:01  
Date of Next Testing: 2026-05-20 08:14:01  
Product Name: **Heparin sodium salt**  
CAS Number: 9041-08-1  
Specifications & Purity:  $\geq 180$  (units/mg)  
Lot #: E2220096  
SKU #: **H104201**  
**Analysis: 091049**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
potency	185-210 (units/mg)	202.10 units/mg
Nitrogen by Elemental Analysis (anhydrous)	1.3-2.5 (%)	2.10 %
Ignition Residue	28-41 (%)	38.20 %
Heavy metals	0-30 (ppm)	29.00 ppm
PH	5-7.5	6.80
Loss on drying	0-5 (%)	2.60 %
Appearance (H104201)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager