

## Certificate of Analysis

Date of Testing: 2023-05-08 17:27:00  
Date of Next Testing: 2027-05-07 17:27:00  
Product Name: **Heparin sodium salt**  
CAS Number: 9041-08-1  
Specifications & Purity:  $\geq 180$  (units/mg)  
Lot #: E2305451  
SKU #: **H104201**  
**Analysis:** **216647**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
potency	$\geq 180$ (units/mg)	196.10 units/mg
Nitrogen by Elemental Analysis (anhydrous)	1.3-2.5 (%)	2.10 %
Ignition Residue	28-41 (%)	38.40 %
Heavy metals	0-30 (ppm)	29.60 ppm
PH	5-7.5	6.70
Loss on drying	0-5 (%)	1.20 %
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