

## Certificate of Analysis

Date of Testing: 2022-07-05 16:53:41  
Date of Next Testing: 2026-07-04 16:53:41  
Product Name: **Heparin sodium salt**  
CAS Number: 9041-08-1  
Specifications & Purity:  $\geq 180$  (units/mg)  
Lot #: G2203295  
SKU #: **H104201**  
**Analysis: 106388**  
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                  | Limit Values              | Result                    |
|--|---------------------------|---------------------------|
| potency                                    | 185-210 (units/mg)        | 209.10 units/mg           |
| Nitrogen by Elemental Analysis (anhydrous) | 1.3-2.5 (%)               | 2.20 %                    |
| Ignition Residue                           | 28-41 (%)                 | 38.00 %                   |
| Heavy metals                               | 0-30 (ppm)                | 15.00 ppm                 |
| PH   | 5-7.5                     | 6.60                      |
| Loss on drying                             | 0-5 (%)                   | 2.20 %                    |
| Appearance (H104201)                       | White to Off-White Powder | White to Off-White Powder |
| Proton NMR spectrum                        | Conforms to Structure     | Conforms to Structure     |



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