

## Certificate of Analysis

Date of Testing: 2023-08-17 14:52:07  
Date of Next Testing: 2027-08-16 14:52:07  
Product Name: **Heparin lithium salt**  
CAS Number: 9045-22-1  
Specifications & Purity: ~200 units/mg  
Lot #: H2307357  
SKU #: **H101524**  
**Analysis: 181652**

| Parameter                      | Limit Values              | Result                    |
|--------------------------------|---------------------------|---------------------------|
| PH                             | 5.5-8                     | 6.90                      |
| Absorbance 280 nm              | 0-0.1                     | 0.02                      |
| Protein Content                | 0-0.5 (%)                 | 0.10 %                    |
| Heavy metals                   | 0-30 (ppm)                | 30.00 ppm                 |
| Loss on drying                 | 0-5 (%)                   | 1.90 %                    |
| Nitrogen by Elemental Analysis | 1.5-2.5 (%)               | 2.20 %                    |
| Lithium(Li)                    | 3-4.5                     | 3.90                      |
| Absorbance 260nm               | 0-0.1                     | 0.03                      |
| Appearance (H101524)           | White to Off-White Powder | White to Off-White Powder |
| Bacterial endotoxins           | pass                      | Pass                      |



John Su  
QA & QC Manager