

## Certificate of Analysis

Date of Testing: 2023-06-19 11:38:05  
Date of Next Testing: 2025-06-08 11:38:05  
Product Name: **Kanamycin sulfate**  
CAS Number: 25389-94-0  
Specifications & Purity: USP  
Lot #: F2315273  
SKU #: **K103024**  
**Analysis: 225698**  
Storage Temperature: Store at 2-8°C

| Parameter   | Limit Values             | Result                   |
|---|--------------------------|--------------------------|
| potency   | ≥750 (IU/mg OR I.U./mg)  | 752.30 IU/mg OR I.U./mg  |
| Loss on drying  | 0-1.5 (%)                | 0.09%                    |
| Sulfate Ash   | 0-0.5 (%)                | 0.32%                    |
| PH  | 6.5-8.5                  | 7.52                     |
| Sulfate(SO42-)  | 15-17 (%)                | 15.84%                   |
| Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O) | 112-123 (°)              | 113.79°                  |
| Appearance (K103024)  | White Powder or Crystals | White Powder or Crystals |
| Abnormal toxicity   | Conforms                 | Conforms                 |
| Identification  | pass                     | Pass                     |
| Kanamycin B   | Coincidence              | Coincidence              |
| Pyrogen test  | Coincidence              | Coincidence              |
| Sterility   | Pass                     | Pass                     |
| Solubility,50 mg/mL, H <sub>2</sub> O                           | Colorless Clear          | Colorless Clear          |



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