

Certificate of Analysis

Date of Testing: 2023-02-25 15:51:43
Date of Next Testing: 2026-02-24 15:51:43
Product Name: **Insulin(human)**
CAS Number: 11061-68-0
Specifications & Purity: BR
Lot #: B2321926
SKU #: **I302196**
Analysis: 165291
Storage Temperature: Store at -20°C

| Parameter | Limit Values | Result |
|------------------------------|---------------------------|---------------------------|
| High molecular protein | ≤1 (%) | 0.15000 % |
| Drying loss | ≤10 (%) | 0.51000 % |
| Sulfated Ash | ≤2.5 (%) | 1.00000 % |
| Zn(dry basis) | ≤1 (%) | 0.40000 % |
| Microbial Limit | ≤300 (cfu/g) | 10.00000 cfu/g |
| Bacterial endotoxins | < 10 (EU/mg) | 9.80 EU/mg |
| Bacterial protein residue | ≤10 (mg/g) | 0.53000 mg/g |
| Purity (dry basis) | 95-105 (%) | 96.15 % |
| Potency(Biological Activity) | ≥15 (units/mg) | 27.00 units/mg |
| Appearance(I302196) | White to off-white Powder | White to Off-White Powder |



John Su
QA & QC Manager