

## Certificate of Analysis

Date of Testing: 2022-01-18 15:32:57

Date of Next Testing: 2025-01-17 15:32:57

Product Name: **Insulin(human)**

CAS Number: 11061-68-0

Specifications & Purity: BR

Lot #: A2212452

SKU #: **I302196**

**Analysis: 062108**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
High molecular protein	≤1 (%)	0.20000 %
Drying loss	≤10 (%)	2.20000 %
Sulfated Ash	≤2.5 (%)	0.60000 %
Zn(dry basis)	≤1 (%)	0.50000 %
Microbial Limit	≤300 (cfu/g)	52.36000 cfu/g
Bacterial endotoxins	< 10 (EU/mg)	2.96 EU/mg
Bacterial protein residue	≤10 (mg/g)	4.52000 mg/g
Purity (dry basis)	95-105 (%)	100.60 %
Appearance(I302196)	White to off-white Powder	White to Off-White Powder



John Su  
QA & QC Manager