

Certificate of Analysis

Date of Testing: 2022-06-15 15:42:10

Date of Next Testing: 2025-06-14 15:42:10

Product Name: **Insulin(human)**

CAS Number: 11061-68-0

Specifications & Purity: BR

Lot #: F2214645

SKU #: **I302196**

Analysis: **094497**

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)	99.00000 cfu/g
Bacterial endotoxins	< 10 (EU/mg)	9.10 EU/mg
Bacterial protein residue	≤10 (mg/g)	8.47000 mg/g
Purity (dry basis)	95-105 (%)	100.60 %
Potency(Biological Activity)	≥15 (units/mg)	29.00 units/mg
Appearance(I302196)	White to off-white Powder	White to Off-White Powder



John Su
QA & QC Manager