



## Certificate of Analysis

### Glucagon

**Catalog Number:** GL1009  
**Lot Number:** Typical-601  
**CAS Number:** 16941-32-5  
**Source:** Synthetic (Human)  
**Peptide Sequence:** H-His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Trp-Leu-Met-Asn-Thr-OH  
**Molecular Weight:** 3482.75  
**Storage:** < -20°C

Test	Specification	Result
Appearance	White powder	Conforms
Assay (Anhydrous, HCl-free)	92.5 – 105.0%	98.2%
Purity (HPLC)	≥ 97.0%	97.8%
Identification (HPLC)	Retention time matches reference	Conforms
Molecular Ion Mass	3482.75 ± 1	Conforms
Peptide Content	≥ 75.0%	84.0%
Solubility	Very soluble in water	Conforms
Moisture (KF)	≤ 1.0%	0.64%
Chloride	≤ 10.0%	5.9%
Endotoxin	≤ 10IU/mg	< 10IU/mg

Approved by:

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