

Certificate of Analysis

Product Name: Glucose-dependent Insulinotropic Polypeptide (1-42) (porcine) (trifluoroacetate salt)

Cat. No.: GC92133

Batch No.: 1

Chemical Name: L-tyrosyl-L-alanyl-L- α -glutamylglycyl-L-threonyl-L-phenylalanyl-L-isoileucyl-L-seryl-L- α -aspartyl-L-tyrosyl-L-seryl-L-isoileucyl-L-alanyl-L-methionyl-L- α -aspartyl-L-lysyl-L-isoileucyl-L-arginyl-L-glutamyl-L-glutamyl-L- α -aspartyl-L-phenylalanyl-L-valyl-L-asparaginy-L-tryptophyl-L-leucyl-L-leucyl-L-alanyl-L-glutamyl-L-lysylglycyl-L-lysyl-L-lysyl-L-seryl-L- α -aspartyl-L-tryptophyl-L-lysyl-L-histidyl-L-asparaginy-L-isoileucyl-L-threonyl-L-tyrosyl-L-alanyl-L- α -glutamylglycyl-L-threonyl-L-phenylalanyl-L-isoileucyl-L-seryl-L- α -aspartyl-L-tyrosyl-L-seryl-L-isoileucyl-L-alanyl-L-methionyl-L- α -aspartyl-L-lysyl-L-isoileucyl-L-arginyl-L-glutamyl-L-glutamyl-L- α -aspartyl-L-phenylalanyl-L-valyl-L-asparaginy-L-tryptophyl-L-leucyl-L-leucyl-L-alanyl-L-glutamyl-L-lysylglycyl-L-lysyl-L-lysyl-L-seryl-L- α -aspartyl-L-tryptophyl-L-lysyl-L-histidyl-L-asparaginy-L-isoileucyl-L-threonyl-L-glutamine, trifluoroacetate salt

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.:

Molecular Formula: $C_{225}H_{342}N_{60}O_{66}S \cdot XCF_3COOH$

Molecular Weight: 4975.6

Storage: $-20^{\circ}C$

Chemical Structure:

H-Tyr-Ala-Glu-Gly-Thr-Phe-Ile-Ser-Asp-Tyr-Ser-Ile-Ala-Met-Asp-Lys-Ile-Arg-Gln-Gln-Asp-Phe-Val-Asn-Trp-Leu-Leu-Ala-Gln-Lys-Gly-Lys-Lys-Ser-Asp-Trp-Lys-His-Asn-Ile-Thr-Gln-OH
• XCF_3COOH

ANALYTICAL DATA

Appearance: A solid

HNMR: Consistent with structure

HPLC: Consistent with structure

Purity: >98.00%

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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