

# CERTIFICATE OF ANALYSIS

<b>Product</b>	Tesamorelin	<b>CAS No. :</b>	N/A
<b>Product No</b>	800052	<b>Molecular Formula</b>	C <sub>221</sub> H <sub>366</sub> N <sub>72</sub> O <sub>67</sub> S
<b>Sequence</b>	trans-3-hexenoyl-Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly- Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH2		
<b>Batch No.</b>	800052-25050601-02	<b>Quantity</b>	202.1g
<b>Mfg. Date</b>	Jun. 11 <sup>th</sup> , 2025	<b>Retest Date</b>	Jun. 10 <sup>th</sup> , 2027

## ITEMS

## SPECIFICATIONS

## RESULTS

Appearance

White or off-white powder

White powder

Solubility

Soluble in H<sub>2</sub>O

Conforms

HPLC

The principal peak in the chromatogram obtained with the test solution is similar in retention time to principal peak in the chromatogram obtained with the reference solution.

Conforms

Amino acid content

Gly 2.7-3.3	3.1
Ala 4.5-5.5	5.1
Ser 3.6-4.4	3.8
Val 0.9-1.1	1.0
Thr 0.9-1.1	1.0
Ile 1.8-2.2	1.9
Leu 4.5-5.5	5.1
Asx 3.6-4.4	3.9
Glx 6.3-7.7	7.1
Lys 1.8-2.2	2.0
Met 0.9-1.1	1.0
Phe 0.9-1.1	1.0
Arg 5.4-6.6	6.1
Tyr 1.8-2.2	1.9

<b>Mass spectrum</b>	5135.9±1.0	5135.9
<b>Purity(HPLC)</b>	NLT 98.0%	99.4%
<b>Acetic acid</b>	NMT 8.6%	4.8%
<b>Trifluoroacetate</b>	NMT 0.5%	N.D
<b>Water content(KF)</b>	NMT 8.0%	6.8%
<b>Peptide content(%)</b>	NLT 80.0%	87.9%
<b>Residual solvent</b>	Methylene chloride NMT 600ppm	N.D
	Acetonitrile NMT 410ppm	73ppm
	Methyl tert-butyl ether NMT 5000 ppm	N.D
	DMF NMT 880ppm	N.D
<b>Bacterial endotoxins</b>	NMT 10EU/mg	Conforms
<b>Microbial limits</b>	TAMC NMT 100cfu/g	Conforms
	TYMC NMT 100cfu/g	
<b>Storage</b>	In an air tight container, protected from light; Short Term:2-8°C ; Long Term:below-10°C	

**Conclusion: This batch of product complies with Enterprise Standard.**

**REPORTED BY:**

Shigalin

**REVIEWED BY:**

Yuanke Dong

**DATE:**

2023.06.16