

## CERTIFICATION OF ANALYSIS

Tesamorelin Powder (Synthetic)	CAS: 218949-48-5
Product No.:	Batch No.: 23010602
Date of Mfg: Jan 06, 2023	Date of Exp: Jan 05, 2025
Sequence: 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-NH <sub>2</sub>	

Test	Specification	Result																																																								
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	conforms																																																								
Amino acid analysis	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Tyr</td><td style="width: 33%;">1.8-2.2</td><td style="width: 33%;">Arg</td><td style="width: 33%;">5.4-6.6</td></tr> <tr> <td>Ala</td><td>4.5-5.5</td><td>Lys</td><td>1.8-2.2</td></tr> <tr> <td>Asx</td><td>3.6-4.4</td><td>Val</td><td>0.9-1.1</td></tr> <tr> <td>Ile</td><td>1.8-2.2</td><td>Leu</td><td>4.5-5.5</td></tr> <tr> <td>Phe</td><td>0.9-1.1</td><td>Gly</td><td>2.7-3.3</td></tr> <tr> <td>Thr</td><td>0.9-1.1</td><td>Glx</td><td>6.3-7.7</td></tr> <tr> <td>Ser</td><td>3.2-4.4</td><td>Met</td><td>0.9-1.1</td></tr> </table>	Tyr	1.8-2.2	Arg	5.4-6.6	Ala	4.5-5.5	Lys	1.8-2.2	Asx	3.6-4.4	Val	0.9-1.1	Ile	1.8-2.2	Leu	4.5-5.5	Phe	0.9-1.1	Gly	2.7-3.3	Thr	0.9-1.1	Glx	6.3-7.7	Ser	3.2-4.4	Met	0.9-1.1	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Tyr</td><td style="width: 33%;">2.1</td><td style="width: 33%;">Arg</td><td style="width: 33%;">6.1</td></tr> <tr> <td>Ala</td><td>4.9</td><td>Lys</td><td>2.1</td></tr> <tr> <td>Asx</td><td>4.1</td><td>Val</td><td>0.9</td></tr> <tr> <td>Ile</td><td>2.1</td><td>Leu</td><td>4.8</td></tr> <tr> <td>Phe</td><td>0.9</td><td>Gly</td><td>3.0</td></tr> <tr> <td>Thr</td><td>1.0</td><td>Glx</td><td>6.7</td></tr> <tr> <td>Ser</td><td>3.8</td><td>Met</td><td>1.0</td></tr> </table>	Tyr	2.1	Arg	6.1	Ala	4.9	Lys	2.1	Asx	4.1	Val	0.9	Ile	2.1	Leu	4.8	Phe	0.9	Gly	3.0	Thr	1.0	Glx	6.7	Ser	3.8	Met	1.0
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MS	5135.9 ± 1.0	5135.0																																																								
Purity(HPLC)	NLT 98%	98.3%																																																								
Acetic acid	NMT 10%	2.9%																																																								
Water	NMT 7.0%	4.4%																																																								
Assay	97.0%-103.0% (anhydrous and acetic acid free substance)	97.8%																																																								

**Storage:** In an air tight container, protected from light at temperature 2-8°C.

Conclusion: the product complies with specification.

It is only supplied as chemical product. Used only for research. Not for human use.