



PRODUCT IDENTIFICATION

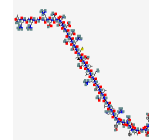
HPLC-UV coupled with LC-MS/MS, standard laboratory conditions

Compound Name	Tesamorelin	CAS No.	218949-48-5
Molecular Formula	C221H366N72O67 S	Molecular Weight	5135.86 g/mol
Appearance	White Lyophilized Powder	Compound Concentration	20mg
Sequence:	trans-3-hexenoyl-GRF(1-44)-NH2		

SAMPLE IDENTIFICATION

Client-supplied, verified at intake

Container Size	3ml Glass Vial	Cap Color	White
Crimp / Seal Color	Silver		
Product Company	RENOVITA RESEARCH LLC		



MOLECULAR STRUCTURE



CLIENT SAMPLE PHOTO

ANALYTICAL RESULTS

Test	Specification	Result	Status
Purity (HPLC)	>= 90.0%	99.87%	PASS
Mass Identification (LC-MS/MS)	Conforms to declared compound	Tesamorelin	PASS
Net Compound Content	>= 90% of 20 mg	21.01 mg	PASS
Water Content (Karl Fischer)	<= 10.0%	4.92%	PASS
Acetate Content (HPLC)	< 12.0%	4.01%	PASS
Heavy Metals (ICP-MS)	< 10 ppm	Not Detected	PASS
Bacterial Endotoxins (LAL)	< 5 EU/mg	Not Detected	PASS
Sterility (RMM)	USP <71>	Not Tested	-
Mass Balance	95.0 – 105.0%	Conforms	PASS

ANALYST NOTES

Four individual RUO vials were evaluated for net peptide content. The measured results were Vial 1: 19.86mg, Vial 2: 20.97mg, Vial 3: 21.42mg, and Vial 4: 21.79mg. The four vial set produced an average net content of 21.01mg per vial. The overall average net content remained above the stated 20mg target.

INSTRUMENT DATA

Traces behind the results above

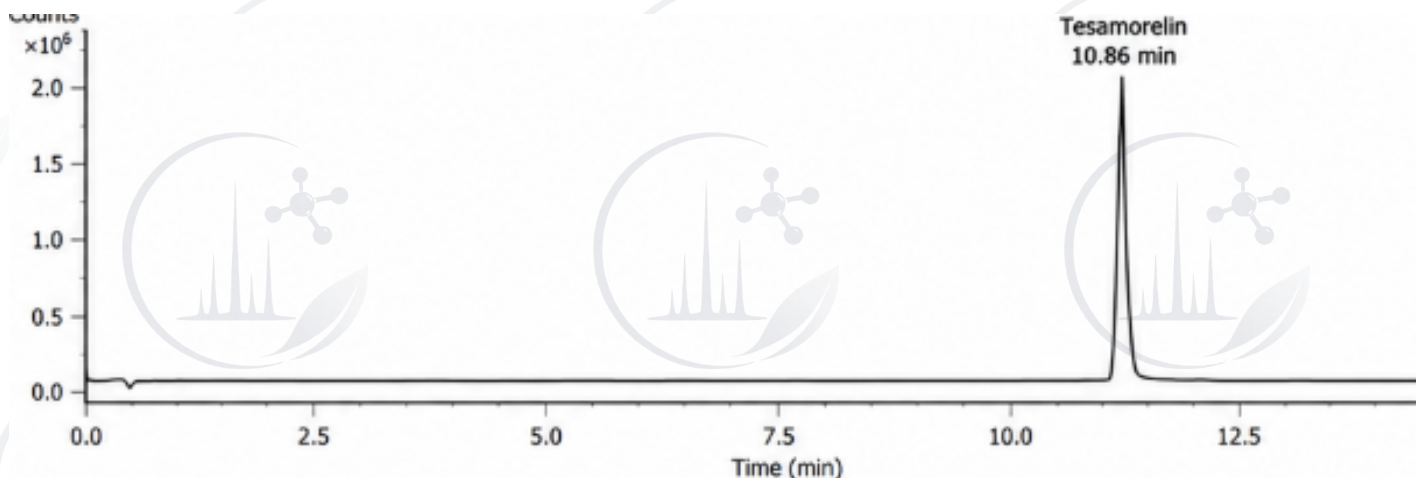


FIGURE 1 — CHROMATOGRAPHIC DATA (HPLC-UV)

Lee Adams

Lee Adams
Lab Director

COA: PMS-0782951843

This analysis reported herein was conducted using HPLC-UV and LC-MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The compounds tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample integrity, handling, and other experimental variables. The sample image included in this Certificate of Analysis was provided by the client during intake. For research use only.



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