


## UHPLC CERTIFICATE OF ANALYSIS

### SAMPLE INFORMATION

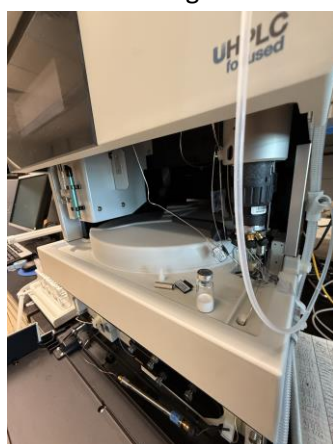
Sample received:

<b>Product Name</b>	Sermorelin 5mg Batch No. 77231
<b>Sequence</b>	H-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-NH <sub>2</sub>
<b>Dissolution Condition</b>	100% UHPLC water with 0.1% Trifluoroacetic Acid (TFA). Dissolved sample picture included here. 
<b>Molecular Weight</b>	~3,358.9 g/mol

**STORAGE CONDITION:** 0 °C

### SAMPLE NOTES

One 3 ml clear glass vial with silver cap and silver aluminum crimp. Lyophilized powder present.



## PUMP SETTINGS

Pump A	100% H2O with .1% Trifluoroacetic Acid
Pump D	100% Acetonitrile.
Column Usage	Agilent Zorbax 300SB-C18, 2.1 x 100 mm, 1.7 µm, 300 Å
Gradient	- 5% D hold (0–0.5 min) - 5 → 45% D over 12 min (≈3.3% D/min) - Hold 45% D (3 min) - Re-equilibrate to 5% D over 3 min - Total run time: ≈ 18.5 min
Pump Settings	0.6 mL/min
Injection Volume:	10 µL
Temperature	30 °C

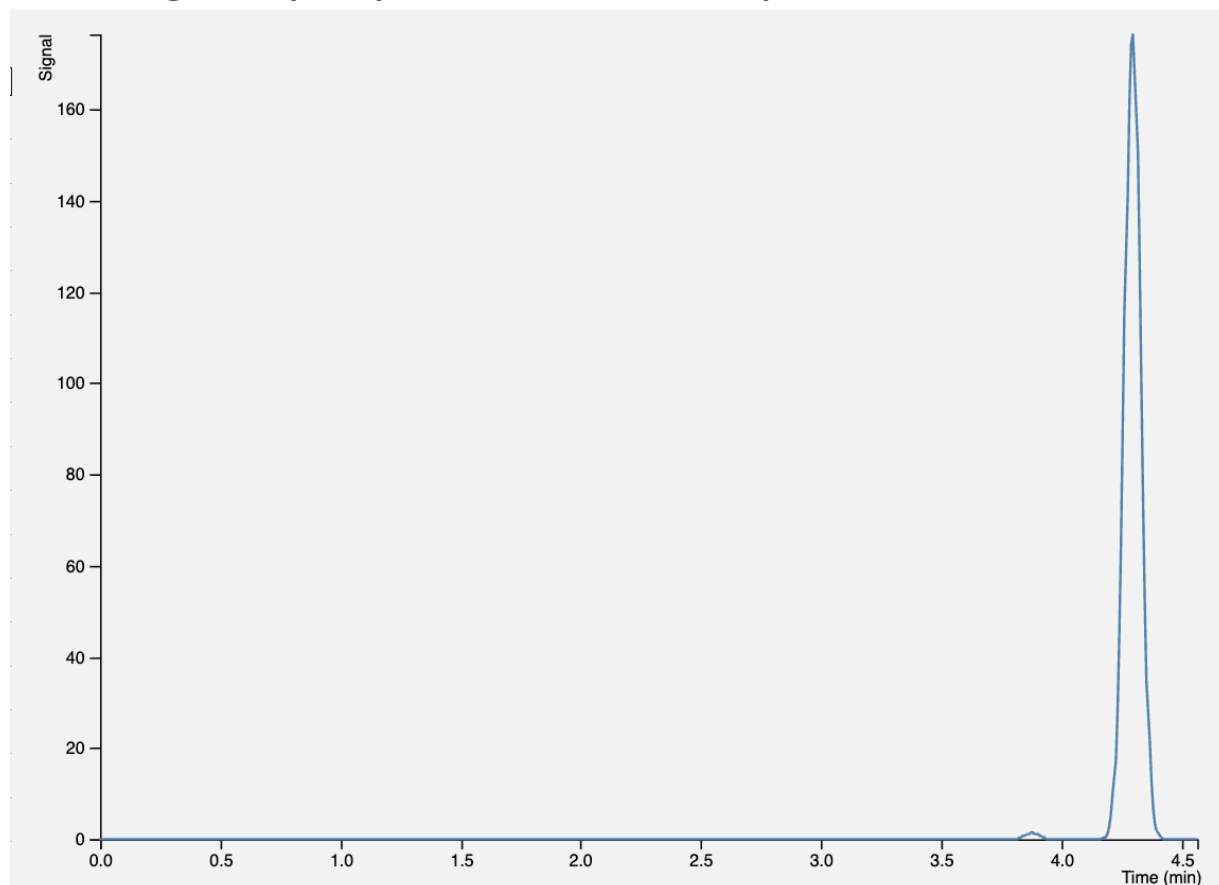
## PURITY RESULT

Purity is **99.67%**

**Product weight extrapolation: 5.8mg**

Total impurity 0.33% (trace inert solvents and minor unidentified peaks; no significant related substances or degradation products detected above 0.1%).

**Chromatogram Export: please note that x axis represents elution window.**



## CONCLUSION

This sample was analyzed on a Thermo Ultimate U3000 HPLC stack using reverse-phase high-performance liquid chromatography and determined to contain **99.67% Sermorelin**, with the remainder being impurities of minor significance.

## CERTIFICATION

**Certified by:** Jonathan Barber

**Title:** Analytical Chemist

**Date:** 12 September 2025



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