


UHPLC CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

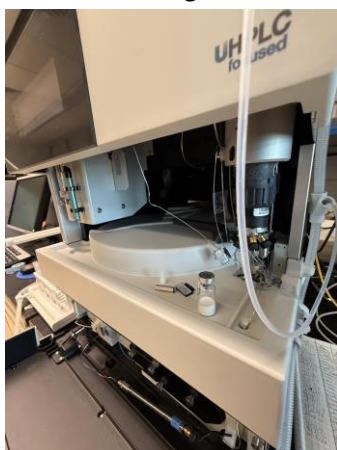
Sample received:

Product Name	KPV Batch No. 21784
Sequence	H-Lys-Pro-Val-OH
Dissolution Condition	100% UHPLC water with 0.1% Trifluoroacetic Acid (TFA). Dissolved sample picture included here. 
Molecular Weight	~342.43 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 μ m, 300 Å
Gradient	- 2% D hold (0–0.5 min) - 2 \rightarrow 15% D over 5 min (\approx 2.6% D/min) - 15 \rightarrow 25% D over 2 min - Hold 25% D (1.5 min) - Re-equilibrate to 2% D over 2.5 min - Total run time: \sim 12 min.
Pump Settings	0.6 mL/min
Injection Volume:	10 μ L
Temperature	30 $^{\circ}$ C

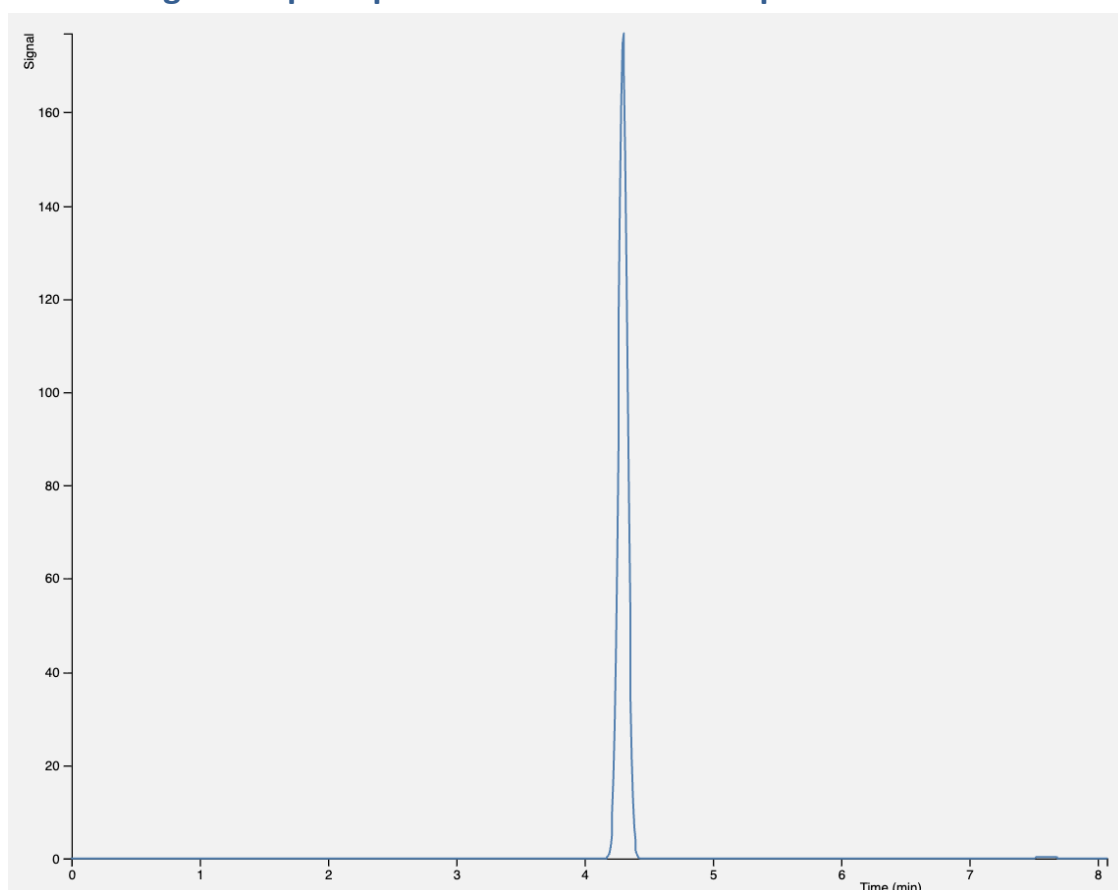
PURITY RESULT

Purity is **99.7%**

Product weight extrapolation: 10.9mg

Total impurity 0.3% (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 **99.70% KPV**, with the remainder being impurities of minor significance.

CERTIFICATION

Certified by: Jonathan Barber

Title: Analytical Chemist

Date: 23 March 2026



Trulab Peptides www.trulabpeptides.com | **Phone:** 872-239-6582
Address: 15017 North Dale Mabry Highway #1121 Tampa, FL 33618 United States