Batch Testing Report

Certificate of Analysis (COA)

Product Information

Product Name: Semax + Selank 5mg/5mg
Cas No: 80714-61-0 / 129954-34-3
Molecular Weight: 813.92 / 751.89 g/mol
Molecular Formula: N/A (blend)
Manufacturing Date: 10/09/2025

Amino Acid Sequence:
Semax: Met-Glu-His-Phe-Pro-Gly-Pro
Selank: Thr-Lys-Pro-Arg-Pro-Gly-Pro

COA ID:	CP-SEMSEL-26-15
Batch No:	P260807-LC1085317
Catalogue No:	1085317
Date Received:	17/09/2025
Date Analysed:	18/09/2025

Analytic Methods:

- ✓ High performance liquid chromatography (HPLC)
- ✓ Mass spectrometry (LC-MS)

Key Analytic Results

Test Item	Specification	Result	Status
Appearance	White powder	Conforms	✓ Pass
Solubility	Soluble in water	Conforms	✓ Pass
pH	-	-	-
Purity (HPLC)	≥ 98.0% each	Semax: 99.37% Selank: 98.44%	✓ Pass
Peptide content	≥ 80.0% each	Semax: 87.94% Selank: 88.48%	✓ Pass
Water content	≤ 6.0%	Semax: 3.86% Selank: 3.49%	✓ Pass
Sodium content	-	-	-
Bacterial endotoxins	< 5 EU/mg	Conforms	✓ Pass
Molecular weight (MS)	813.92 / 751.89 Da	Confirmed (LC-MS)	✓ Pass

Storage Conditions

Store at -20°C ± 5°C in a cool, dry environment. Protect from light and moisture.

Disclaimer

This Certificate of Analysis represents the results of testing for the specific batch listed above. The information provided is accurate to the best of our knowledge at the time of analysis. Products are intended for research use only. It is the responsibility of the end user to determine suitability for their specific application.

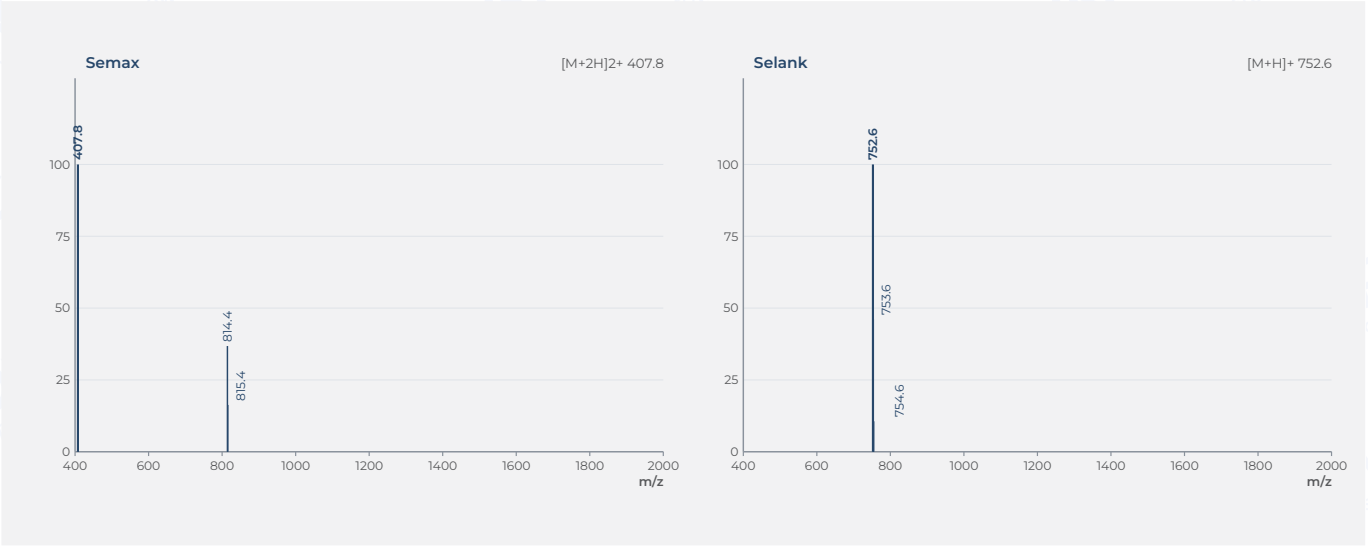
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Contaminant Analysis

Contaminant	Specification	Result
Acetonitrile	≤ 410 ppm	✓ Not Detected
Methanol	≤ 3000 ppm	✓ Not Detected
Piperidine	≤ 5000 ppm	✓ Not Detected
DMF	≤ 880 ppm	✓ Not Detected
Triethylamine	≤ 320 ppm	✓ Not Detected
Dichloromethane (DCM)	≤ 600 ppm	✓ Not Detected
Lead (Pb)	≤ 0.1 ppm	✓ Not Detected
Cadmium (Cd)	≤ 0.05 ppm	✓ Not Detected
Mercury (Hg)	≤ 0.05 ppm	✓ Not Detected
Arsenic (As)	≤ 0.1 ppm	✓ Not Detected

Mass Spectrometry Report



Expected molecular ions detected for each component (LC-MS, positive mode).

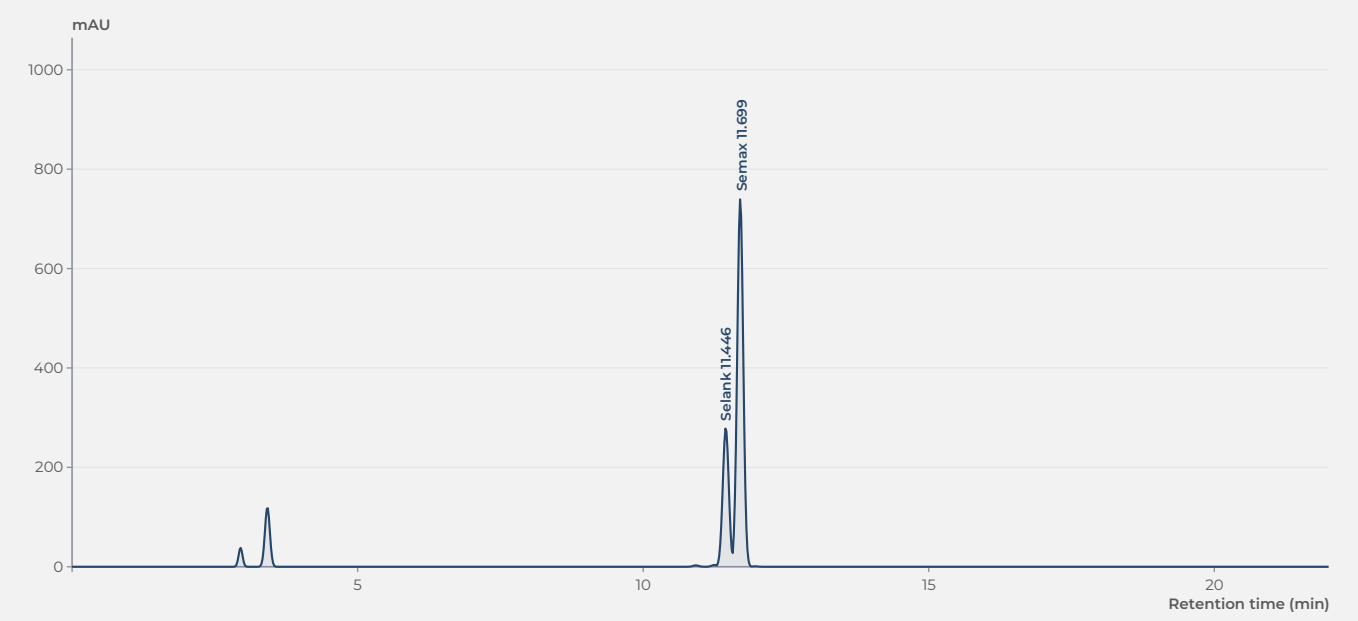
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HPLC Chromatogram



Peak	Retention Time (min)	Identification
Peak 1	11.446	Selank
Peak 2	11.699	Semax

HPLC purity: Semax 99.37% · Selank 98.44%. Detection method: UV @ 220 nm.

Laboratory statement

All analyses for this batch were conducted by an independent third-party analytical laboratory, using validated methods and calibrated instrumentation. Techniques include High-Performance Liquid Chromatography (HPLC) for purity assessment and Liquid Chromatography–Mass Spectrometry (LC-MS) for molecular identity confirmation.

This document is a simplified, customer-facing version of the full technical Certificate of Analysis, which is retained on file and available on request.

Reviewed and approved by: Adrian Cole

Crown Peptides UK Ltd (QC Manager)

Date: 21/10/2026

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