Analytical Laboratory

Certificate of Analysis (COA)

Product Information

Product Name: CJC no DAC
Cas No: 863288-34-0
Molecular Weight: 3424.95 Da ±1.0
Molecular Formula: C154H255N45O43
Manufacturing Date: 24/09/2025

Amino Acid Sequence:
Gly-Tyr-D-Ala-Asp-Ala-Ile-Phe-Thr-Gln-Ser-Tyr-Arg-Lys-Val-Leu-Ala-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Leu-Ser-Arg-NH2

COA ID:	CP-CJC-26-02
Batch No:	P240924-LC1078677
Catalogue No:	1078677
Date Received:	01/10/2025
Date Analysed:	01/10/2025

Analytic Methods:

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

Key Analytic Results

Test Item	Specification	Result	Status
Appearance	White Powder	Conforms	✓ Pass
Solubility	Soluble in water	Conforms	✓ Pass
pH	-	-	-
Purity (HPLC)	≥98.0%	99.09%	✓ Pass
Peptide content	≥80.0%	89.03%	✓ Pass
Water content	≤6.0%	3.9%	✓ Pass
Sodium content	≤5.0%	-	-
Bacterial endotoxins	<5 EU/mg	Conforms	✓ Pass
Molecular weight (MS)	3424.95 Da ±1.0	Conforms	✓ 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.

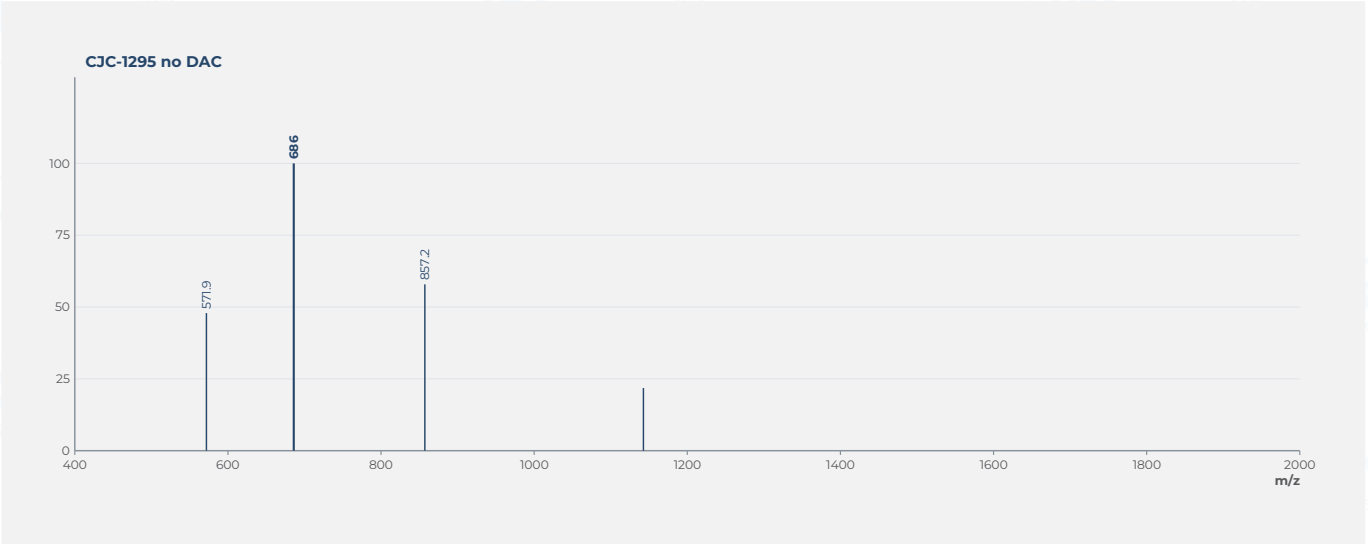
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Contaminant Analysis

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



Observed molecular ion peak consistent with theoretical molecular weight.

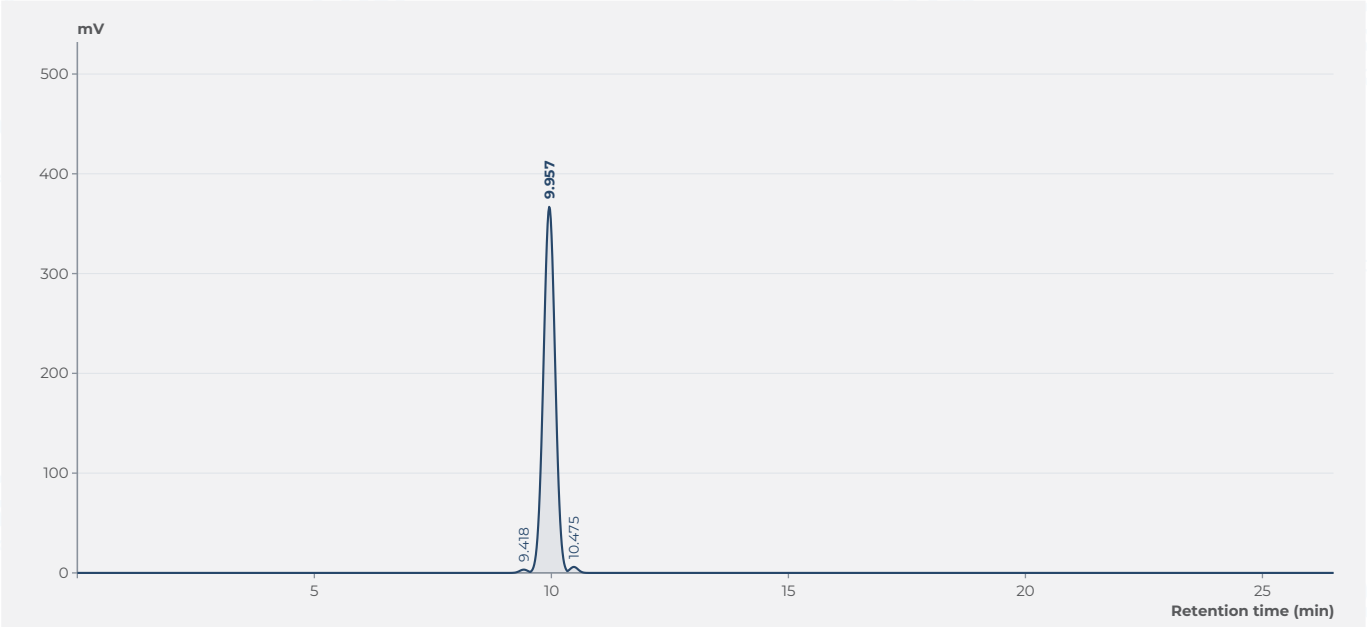
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HPLC Chromatogram



Peak	Retention Time (min)	Area %
Principal Peak	9.957	99.09%
Impurity A	9.418	0.6525%
Impurity B	10.475	0.5169%

Total Peak Area (Purity): 99.09%. Detection Method: UV @ 220 nm

Laboratory statement

All analyses were conducted by Crown Peptides UK using validated in-house methodologies and calibrated analytical instrumentation. Techniques employed include High-Performance Liquid Chromatography (HPLC) for purity assessment, Mass Spectrometry (MS) for molecular identity confirmation, and additional analytical methods where applicable for quality and safety evaluation.

This document represents a simplified, customer-facing version of the full technical Certificate of Analysis. A comprehensive technical report is retained on file and available upon request.

Name: Adrian Cole

Authorised by Quality Control Department
Crown Peptides UK Ltd. (QC Manager)

Date: 02/10/2025

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