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Searchable via: [FreedomDiagnosticsTesting.com](http://FreedomDiagnosticsTesting.com)

Product	TB-500 10mg
Net Peptide Content	9.81 mg
Identity	Thymosin Beta-4

## Certificate of Analysis

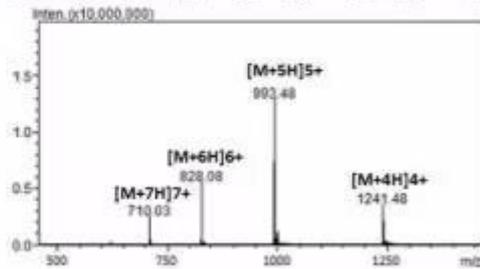
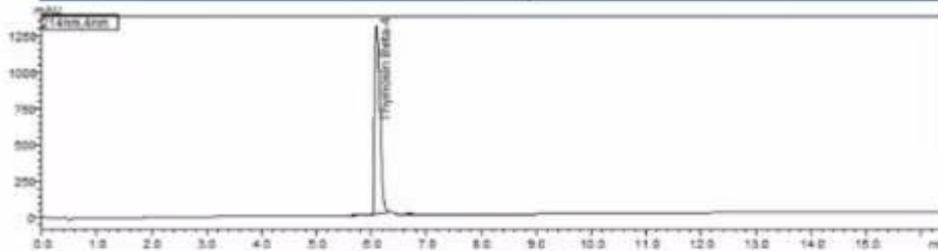
Accession Number	
Client	
Search Code	

Received Date:	10/6/2025
Reported Date:	10/8/2025

Lot	2025.9.9.TB10
Purity	99.055%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Thymosin Beta-4	99.055%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

The peptide purity analysis reported here was conducted using LCMS-MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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Product	CJC-1295 no/DAC 5mg
Net Peptide Content	5.20 mg
Identity	CJC-1295

## Certificate of Analysis

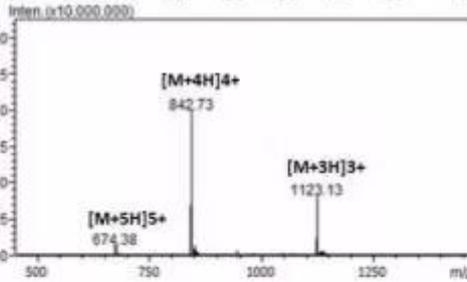
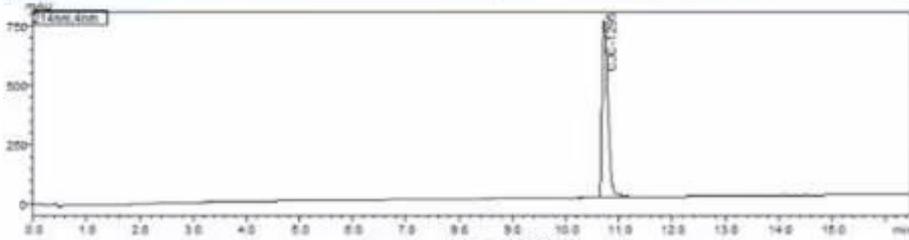
Accession Number	
Client	
Search Code	

Received Date:	10/6/2025
Reported Date:	10/8/2025

Lot	2025.9.9.BGP
Purity	99.695%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
CJC-1295	99.695%



*Stephen Schmidt*

Stephen Schmidt

Principal Chemist

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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Product	NAD+ 500mg
Net Peptide Content	527.22 mg
Identity	NAD+

## Certificate of Analysis

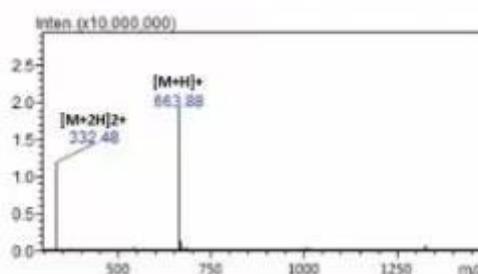
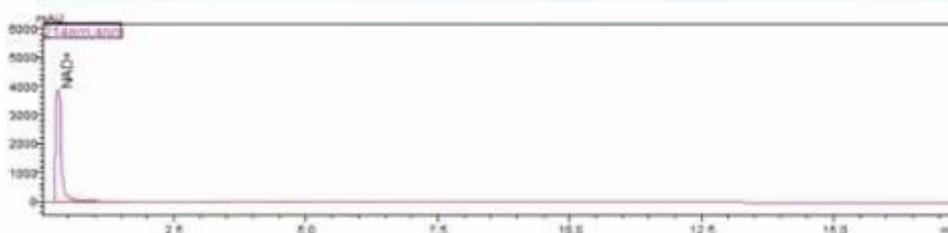
Assession Number	2506138634
Client	U.S. Government
Search Code	2506138634

Received Date:	6/13/2025
Reported Date:	6/16/2025

Lot	0362
Purity	99.95%
Appearance	Blue Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
NAD+	99.95%



*Stephen Schmidt*

Stephen Schmidt  
Principle Chemist

TEL: 256-138-634

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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## Certificate of Analysis

Assession Number:	
Client:	
Search Code:	

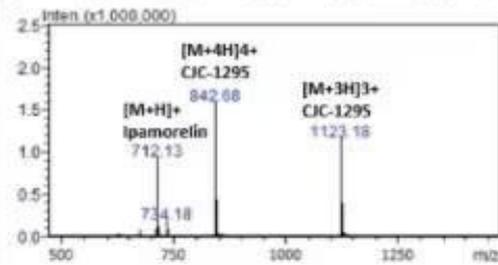
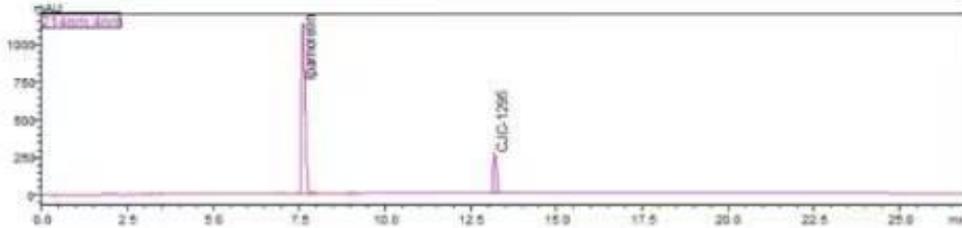
Received Date:	6/13/2025
Reported Date:	6/16/2025

Product	CJC-1295&IPAMORELIN 5mg/5mg
Net Peptide Content	Ipamorelin: 5.59 mg CJC-1295: 4.05 mg
Identity	Ipamorelin/CJC-1295

Lot	0362
Total Purity	99.49%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Ipamorelin/CJC-1295	99.49%



*Stephen Schmidt*

COA: [REDACTED]

Stephen Schmidt  
Principle Chemist

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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 affected by sample integrity, handling, and other experimental variables.

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Product	Semaglutide 20mg
Net Peptide Content	23.01 mg
Identity	Semaglutide

## Certificate of Analysis

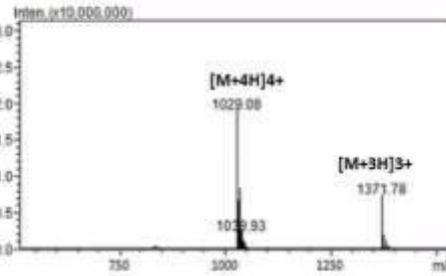
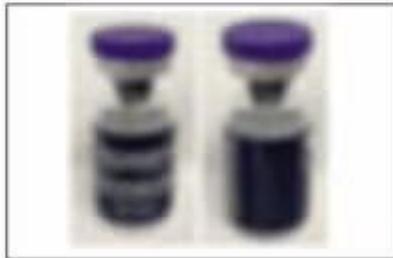
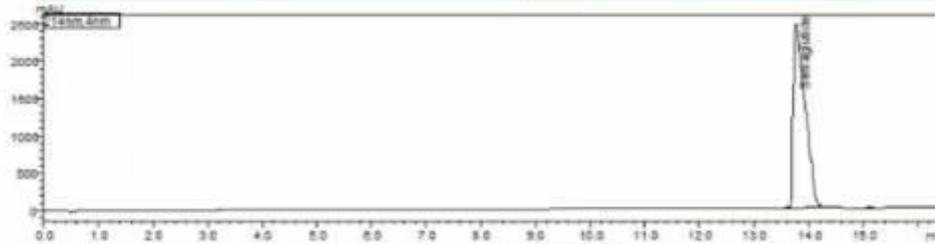
Accession Number	2025.9.9.BGP
Client	Freedom Diagnostics
Search Code	2025.9.9.BGP

Received Date:	10/6/2025
Reported Date:	10/8/2025

Lot	2025.9.9.BGP
Purity	99.921%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Semaglutide	99.921%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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Product	RT30
Net Peptide Content	34.45 mg
Identity	Retatrutide

## Certificate of Analysis

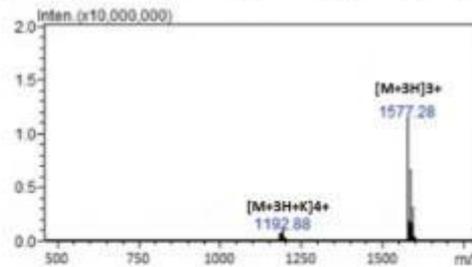
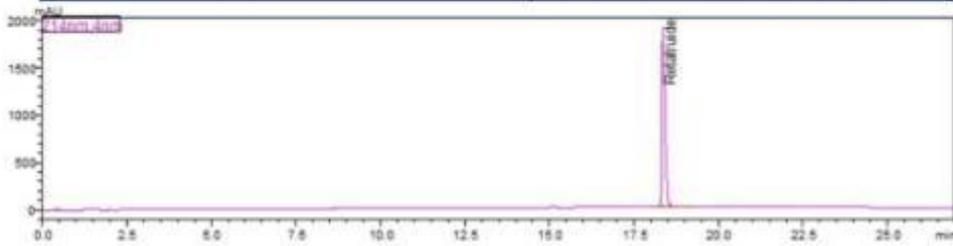
Assession Number	
Client	
Search Code	

Received Date:	9/4/2025
Reported Date:	9/5/2025

Lot	RT3825
Purity	99.90%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Retatrutide	99.90%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

COA: ██████████

The peptide purity analysis reported here was conducted using LC-MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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Product	Cagrilintide 10mg
Net Peptide Content	11.51 mg
Identity	Cagrilintide

## Certificate of Analysis

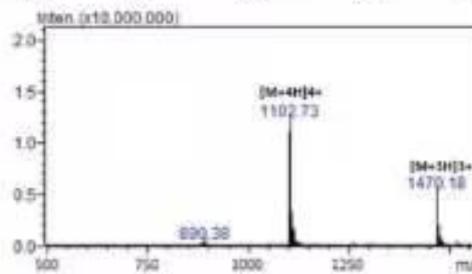
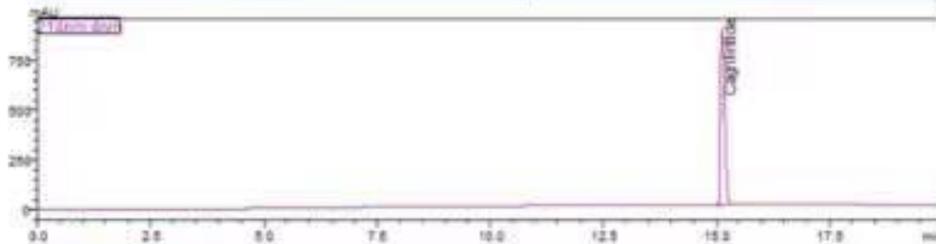
Assession Number	
Client	
Search Code	

Received Date:	7/21/2025
Reported Date:	7/22/2025

Lot	0367
Purity	99.54%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Cagrilintide	99.54%



*Stephen Schmidt*

Stephen Schmidt

Principal Chemist

COA: 0367-0367

The peptide purity analysis reported here was conducted using LC-MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample provided. The peptide used are intended for research use only and we do not approve 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 results be influenced by various internal/external factors, including, but not limited to, experimental conditions.

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Product	SS-31 10mg
Net Peptide Content	8.64 mg
Identity	SS-31 10mg

## Certificate of Analysis

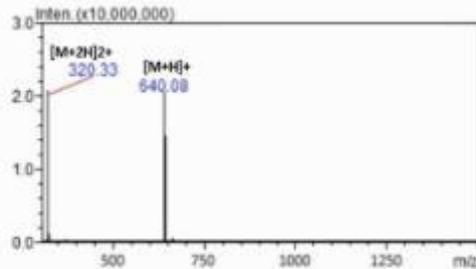
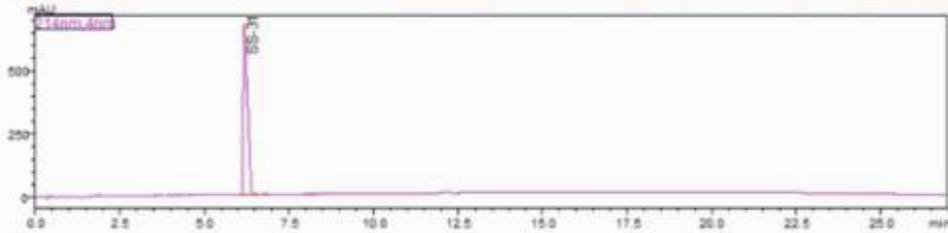
Assession Number	
Client	
Search Code	

Received Date:	6/13/2025
Reported Date:	6/16/2025

Lot	0362
Purity	99.86%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
SS-31	99.86%



*Stephen Schmidt*

Stephen Schmidt  
Principle Chemist

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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Product	CJC-1295 no/DAC 5mg
Net Peptide Content	5.20 mg
Identity	CJC-1295

## Certificate of Analysis

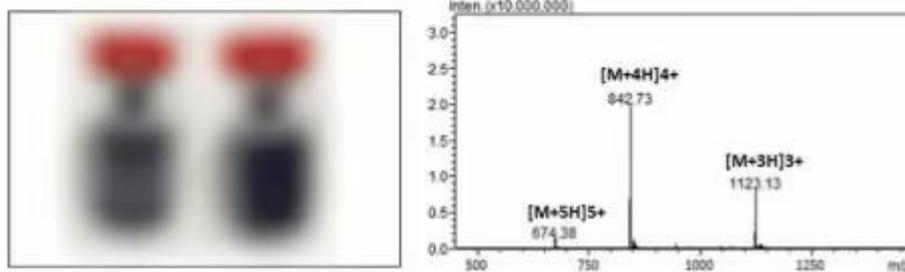
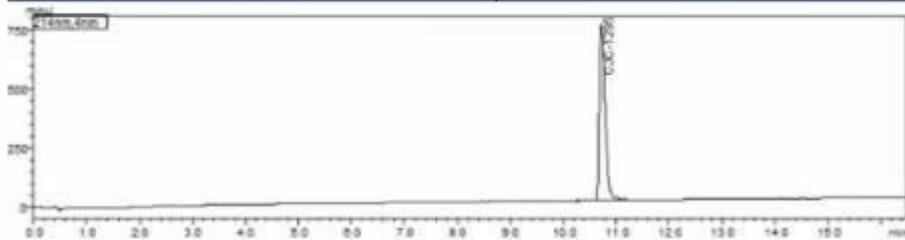
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Client	XXXXXXXXXXXXXXXXXX
Search Code	XXXXXXXXXXXXXX

Received Date:	10/6/2025
Reported Date:	10/8/2025

Lot	2025.9.9.BGP
Purity	99.695%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
CJC-1295	99.695%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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Product	TB500 5mg
Net Peptide Content	4.72 mg
Identity	Thymosin Beta-4

## Certificate of Analysis

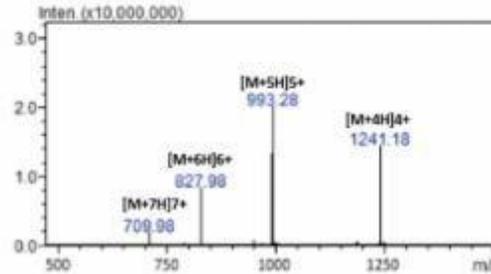
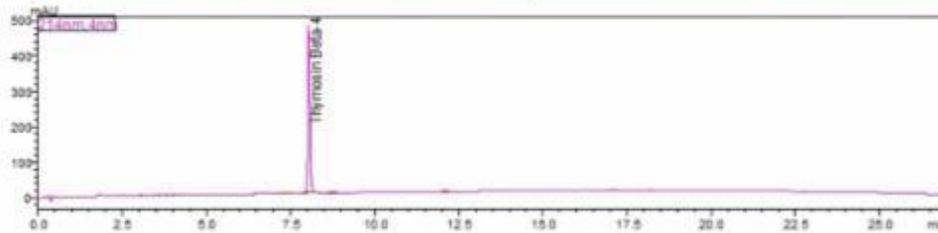
Assession Number	
Client	
Search Code	

Received Date:	6/13/2025
Reported Date:	6/16/2025

Lot	0362
Purity	99.05%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Thymosin Beta-4	99.05%



*Stephen Schmidt*

COA: **250616 036210**

Stephen Schmidt  
Principle Chemist

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Product	AOD-9604 2mg
Net Peptide Content	2.09 mg
Identity	AOD-9604

## Certificate of Analysis

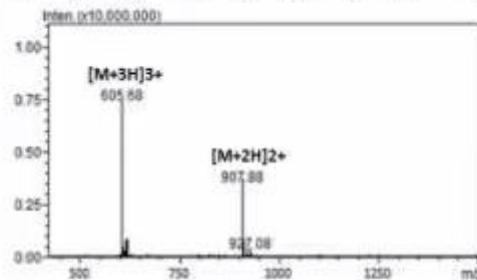
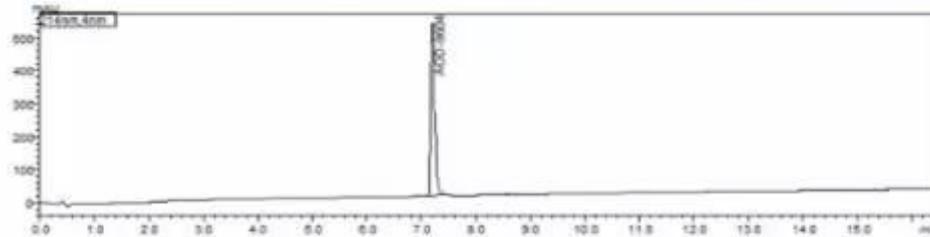
Accession Number	
Client	
Search Code	

Received Date:	10/6/2025
Reported Date:	10/8/2025

Lot	2025.9.9.AD2
Purity	99.474%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
AOD-9604	99.474%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

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Searchable via: [FreedomDiagnosticsTesting.com](http://FreedomDiagnosticsTesting.com)

Product	IPA10
Net Peptide Content	9.42 mg
Identity	Ipamorelin

## Certificate of Analysis

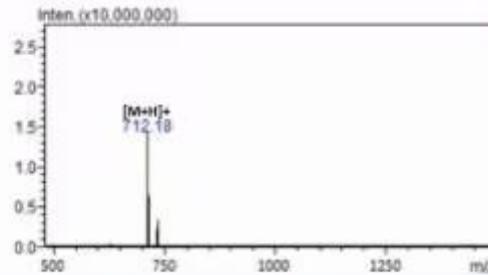
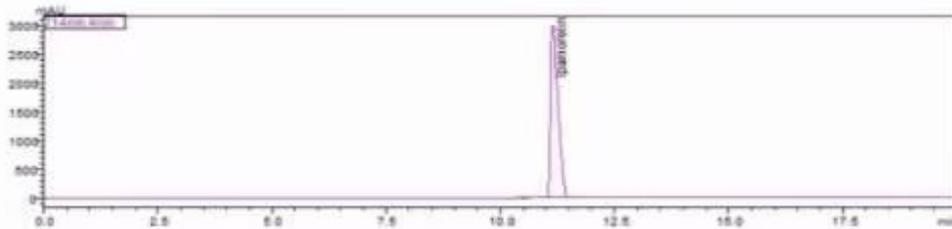
Assession Number	
Client	
Search Code	

Received Date:	8/20/2025
Reported Date:	8/21/2025

Lot	13F35
Purity	99.67%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Ipamorelin	99.67%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

COA: XXXXXXXXXX

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Searchable via: [freedomdiagnostics.com](https://freedomdiagnostics.com)

Product	Caprilintide+GLP-1 SG 5mg/5mg
Net Peptide Content	Caprilintide: 4.72 mg Semaglutide: 5.72 mg
Identity	Caprilintide/Semaglutide

## Certificate of Analysis

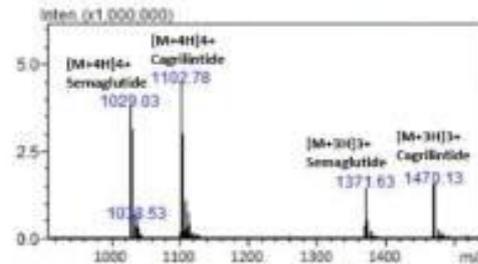
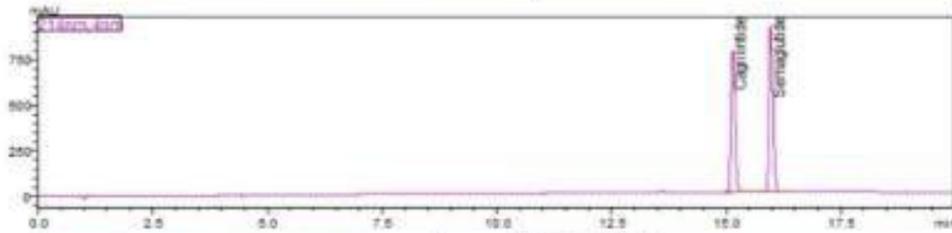
Assession Number	202507220001
Client	Novartis
Search Code	202507220001

Received Date:	7/21/2025
Reported Date:	7/22/2025

Lot	0367
Total Purity	99.65%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Caprilintide/Semaglutide	99.65%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides tested are intended for research use only and are not approved for human or veterinary use, diagnosis, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the labeled content. The accuracy and reliability of the use may be influenced by sample integrity, handling, and other experimental variables.

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Searchable via: [FreedomDiagnosticsTesting.com](http://FreedomDiagnosticsTesting.com)

Product	Tesamorelin 10mg
Net Peptide Content	9.60 mg
Identity	Tesamorelin

## Certificate of Analysis

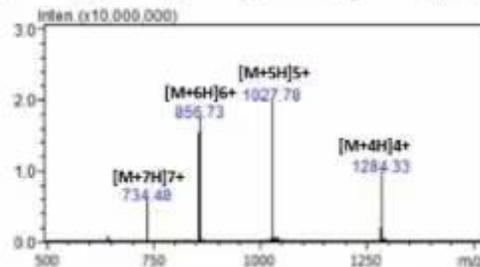
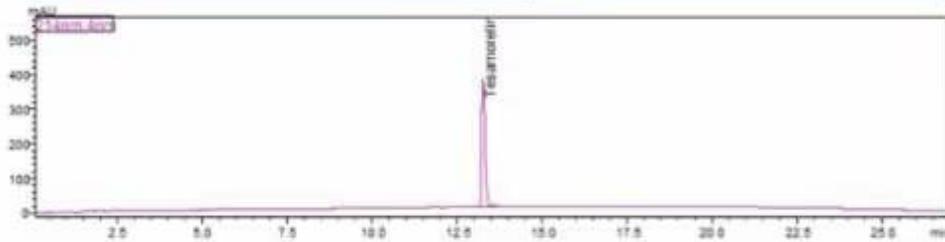
Assession Number	170001-0001
Client	170001-0001
Search Code	170001-0001

Received Date:	6/13/2025
Reported Date:	6/16/2025

Lot	0362
Purity	99.30%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Tesamorelin	99.30%



*Stephen Schmidt*

Stephen Schmidt  
Principle Chemist

COA: 170001-0001

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Searchable via: [FreedomDiagnosticsTesting.com](http://FreedomDiagnosticsTesting.com)

Product	trz 30
Net Peptide Content	31.85 mg
Identity	Tirzepatide

## Certificate of Analysis

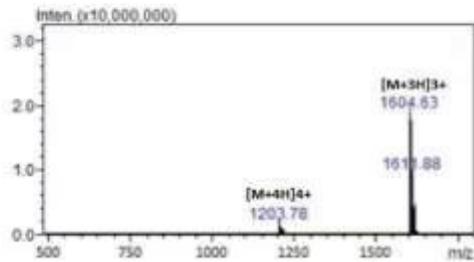
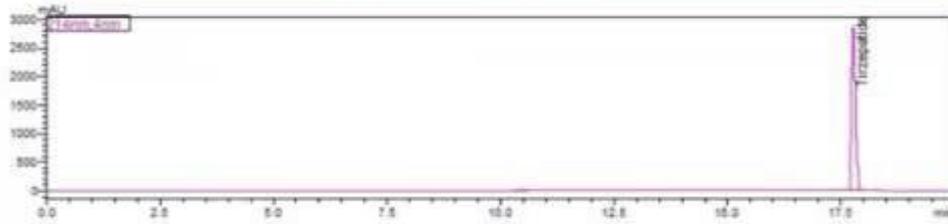
Assession Number	
Client	
Search Code	

Received Date:	8/11/2025
Reported Date:	8/12/2025

Lot	N/A
Purity	99.77%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
<b>Tirzepatide</b>	<b>99.77%</b>



*Stephen Schmidt*

Stephen Schmidt  
Principle Chemist

COA:

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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 affected by sample integrity, handling, and other experimental variables.

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Searchable via: [FreedomDiagnosticsTesting.com](http://FreedomDiagnosticsTesting.com)

Product	SK5
Net Peptide Content	7.32 mg
Identity	Selank

## Certificate of Analysis

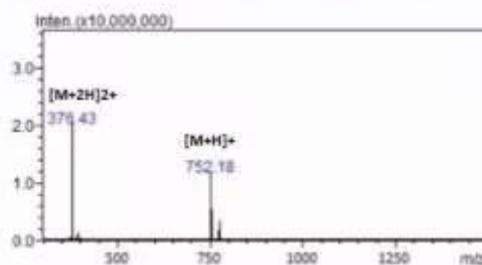
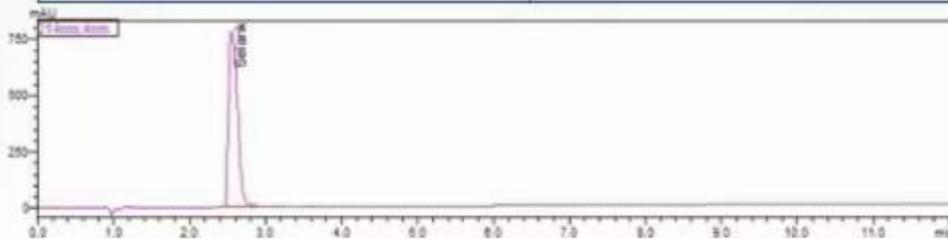
Assession Number	
Client	
Search Code	

Received Date:	9/3/2025
Reported Date:	9/4/2025

Lot	HSK5825
Purity	99.70%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Selank	99.70%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

COA:

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Product	CJC1295DAC 5mg
Net Peptide Content	4.85 mg
Identity	CJC-1295 with DAC

## Certificate of Analysis

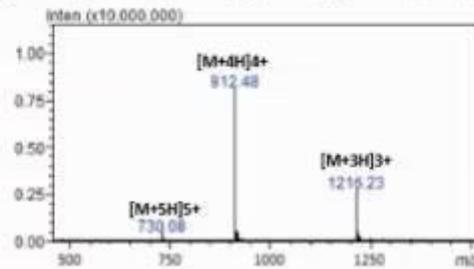
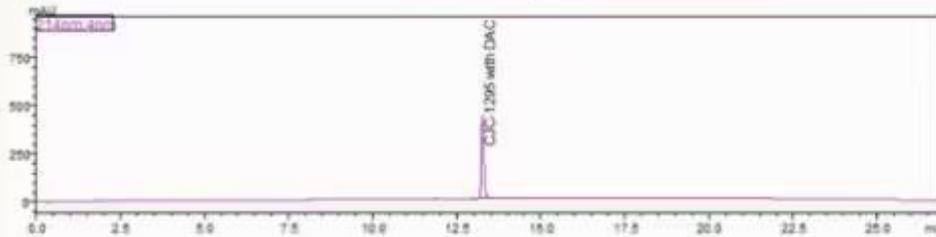
Assession Number	1295-1295-1
Client	1.8.18.18.18.18.18
Search Code	1295-1295-1

Received Date:	6/13/2025
Reported Date:	6/16/2025

Lot	0362
Purity	99.20%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
CJC-1295 with DAC	99.20%



*Stephen Schmidt*

Stephen Schmidt  
Principle Chemist

COA: 1295-1295-1

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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<b>Product</b>	BPC157 & TB500 5mg/5mg
<b>Net Peptide Content</b>	BPC-157: 5.62 mg Thymosin Beta-4: 4.22 mg
<b>Identity</b>	BPC-157/Thymosin Beta-4

## Certificate of Analysis

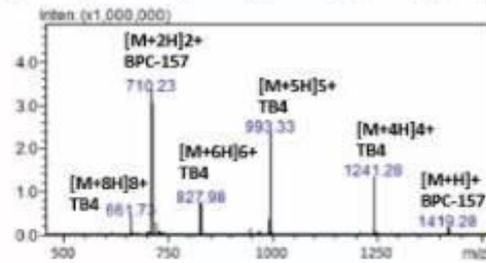
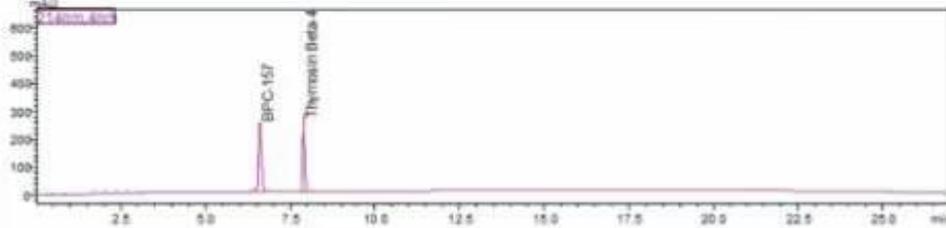
<b>Assession Number</b>	2025-0602
<b>Client</b>	USA Biopods Co.
<b>Search Code</b>	100071940 10073

<b>Received Date:</b>	6/13/2025
<b>Reported Date:</b>	6/16/2025

<b>Lot</b>	0362
<b>Total Purity</b>	99.06%
<b>Appearance</b>	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
<b>BPC-157/Thymosin Beta-4</b>	<b>99.06%</b>



*Stephen Schmidt*

COA: 2025-0602

Stephen Schmidt

Principle Chemist

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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Product	AOD 9604 5mg
Net Peptide Content	5.04 mg
Identity	AOD-9604

## Certificate of Analysis

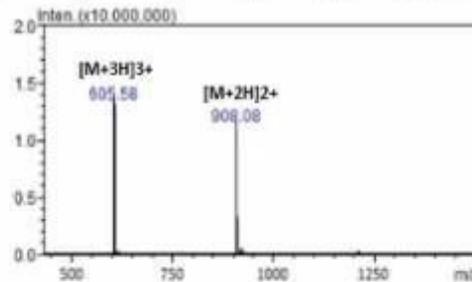
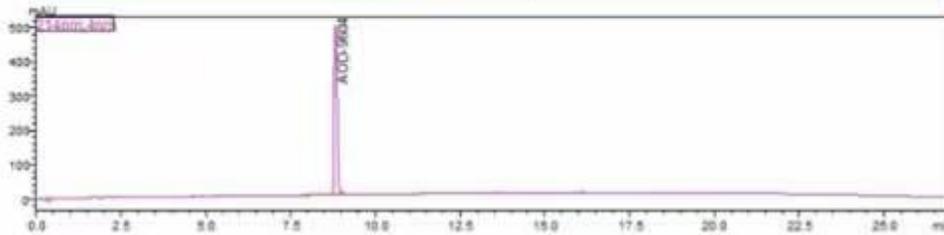
Assession Number	
Client	
Search Code	

Received Date:	6/13/2025
Reported Date:	6/16/2025

Lot	0362
Purity	99.48%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
AOD-9604	99.48%



*Stephen Schmidt*

Stephen Schmidt  
Principle Chemist

COA: XXXXXXXXXX

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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Product	TB-500 10mg
Net Peptide Content	9.81 mg
Identity	Thymosin Beta-4

## Certificate of Analysis

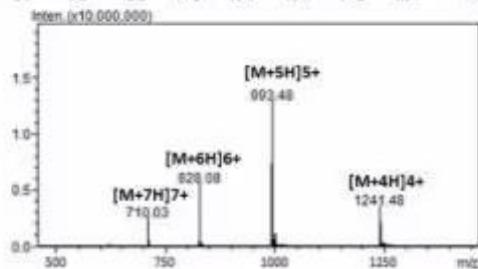
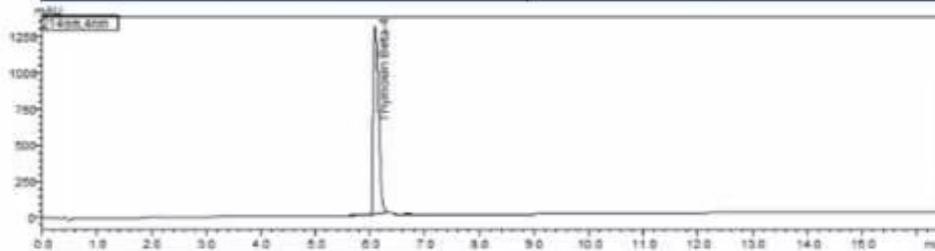
Accession Number	2025.9.9.TB10
Client	Frederick Research
Search Code	2025.9.9.TB10

Received Date:	10/6/2025
Reported Date:	10/8/2025

Lot	2025.9.9.TB10
Purity	99.055%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Thymosin Beta-4	99.055%



*Stephen Schmidt*

Stephen Schmidt

Principal Chemist

The peptide purity analysis reported here was conducted using LCMS-MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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Product	Sermorelin 5mg
Net Peptide Content	4.93 mg
Identity	Sermorelin

## Certificate of Analysis

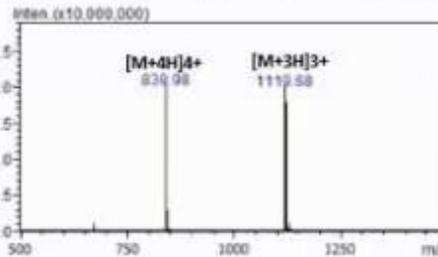
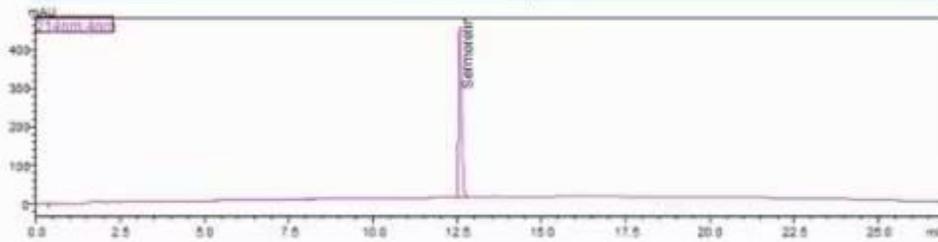
Assession Number	FWL018807
Client	11174924, LLC
Search Code	1991700018807

Received Date:	6/13/2025
Reported Date:	6/16/2025

Lot	0362
Purity	99.76%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Sermorelin	99.76%



*Stephen Schmidt*

Stephen Schmidt  
Principle Chemist

COA: ~~2506110001~~

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides tested are intended for research use only and are not approved for human or veterinary use, diagnosis, 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.

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Product	BPC-157 10mg
Net Peptide Content	9.55 mg
Identity	BPC-157/Glycine

## Certificate of Analysis

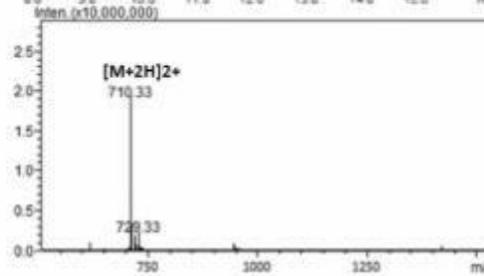
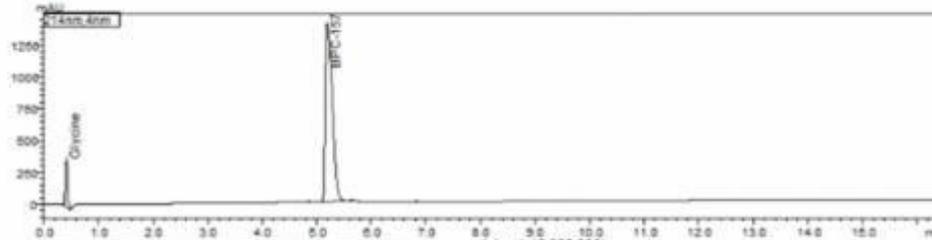
Accession Number	2025.9.9.BP10
Client	Researcher, Peptides.com
Search Code	2025.9.9.BP10

Received Date:	10/6/2025
Reported Date:	10/8/2025

Lot	2025.9.9.BP10
Purity	99.28%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
BPC-157/Glycine	99.28%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

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Product	FOX04 10mg
Net Peptide Content	9.03 mg
Identity	FOX04

## Certificate of Analysis

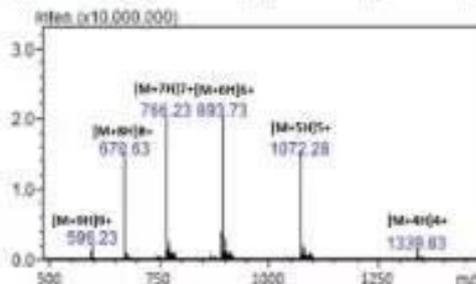
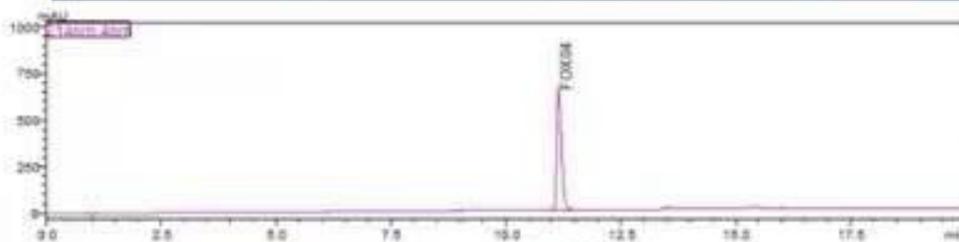
Assessment Number	
Client	
Search Code	

Received Date:	7/21/2025
Reported Date:	7/22/2025

Lot	0367
Purity	99.95%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
FOX04	99.95%



*Stephen Schmidt*

Stephen Schmidt

Principal Chemist

COA:

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Searchable via: [FreedomDiagnosticsTesting.com](http://FreedomDiagnosticsTesting.com)

Product	IGF-1LR3 1mg
Net Peptide Content	1.14 mg
Identity	IGF-LR3

## Certificate of Analysis

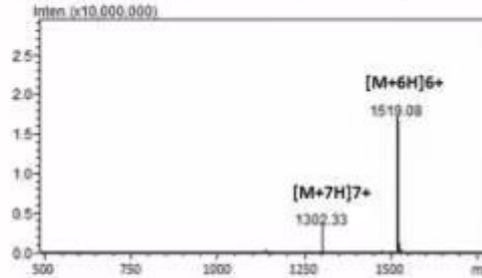
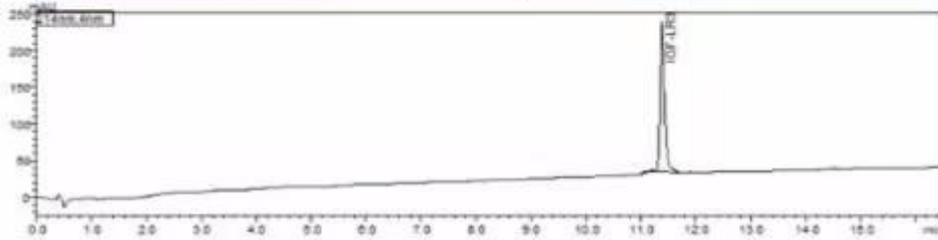
Accession Number	
Client	
Search Code	

Received Date:	10/6/2025
Reported Date:	10/8/2025

Lot	2025.9.9.IGL1
Purity	98.277%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
IGF-LR3	98.277%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

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Product	Tirzepatide 10mg
Net Peptide Content	10.64 mg
Identity	Tirzepatide

## Certificate of Analysis

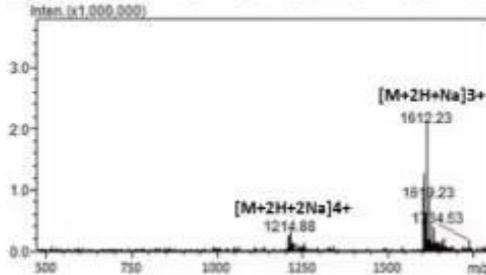
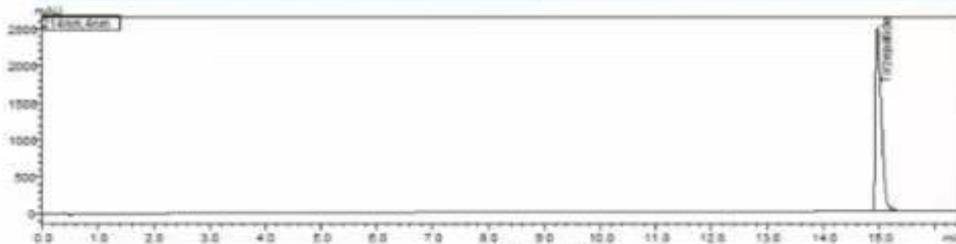
Accession Number	2025.9.9TIR10
Client	Freedom Diagnostics, Inc.
Search Code	2025.9.9TIR10

Received Date:	10/6/2025
Reported Date:	10/8/2025

Lot	2025.9.9TIR10
Purity	99.939%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Tirzepatide	99.939%



*Stephen Schmitt*

Stephen Schmitt  
Principal Chemist

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Product	tsm 10
Net Peptide Content	11.67 mg
Identity	Tesamorelin

## Certificate of Analysis

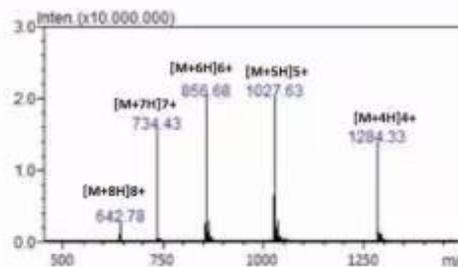
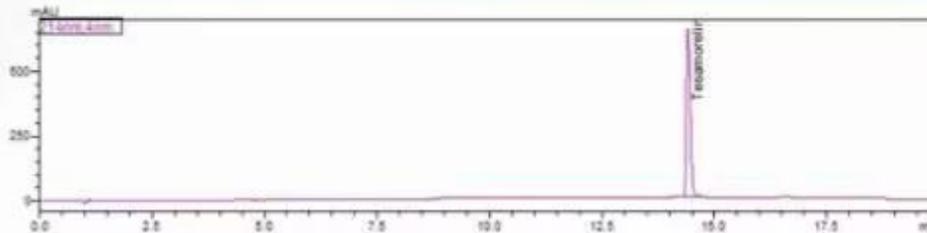
Assession Number	
Client	
Search Code	

Received Date:	8/11/2025
Reported Date:	8/12/2025

Lot	N/A
Purity	99.43%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Tesamorelin	99.43%



*Stephen Schmidt*

Stephen Schmidt  
Principle Chemist

COA:

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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 attached research. The accuracy and reliability of the use may be influenced by sample integrity, handling, and other experimental variables.

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Searchable via: [FreedomDiagnosticsTesting.com](http://FreedomDiagnosticsTesting.com)

Product	TSM20
Net Peptide Content	18.26 mg
Identity	Tesamorelin

## Certificate of Analysis

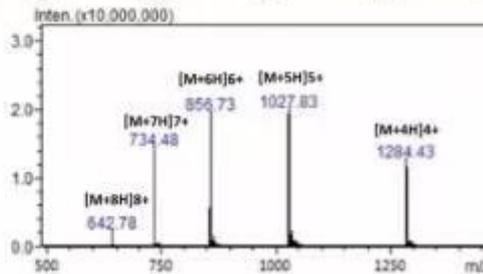
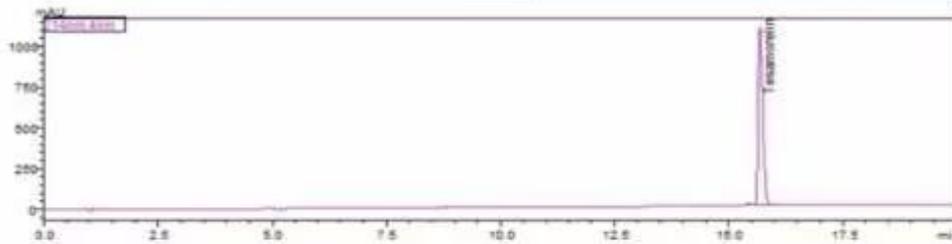
Assession Number	
Client	
Search Code	

Received Date:	8/20/2025
Reported Date:	8/21/2025

Lot	140F5
Purity	99.27%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry.

Mass Identification	Result
Tesamorelin	99.27%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

COA:

The peptide purity analysis reported here was conducted using LC MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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 standard research. The accuracy and reliability of the test may be affected by sample integrity, handling, and other experimental variables.

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Searchable via: [FreedomDiagnosticsTesting.com](http://FreedomDiagnosticsTesting.com)

Product	Retatrutide 20mg
Net Peptide Content	22.14 mg
Identity	Retatrutide

## Certificate of Analysis

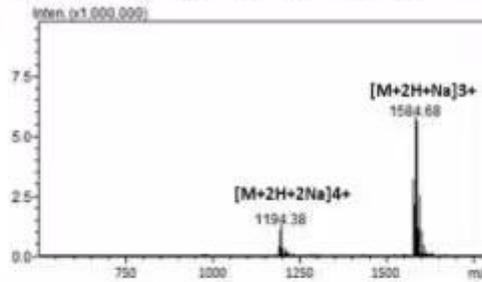
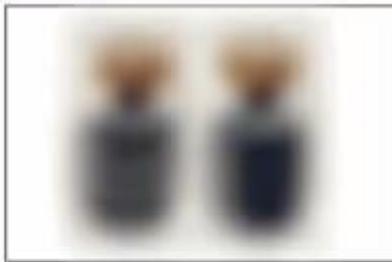
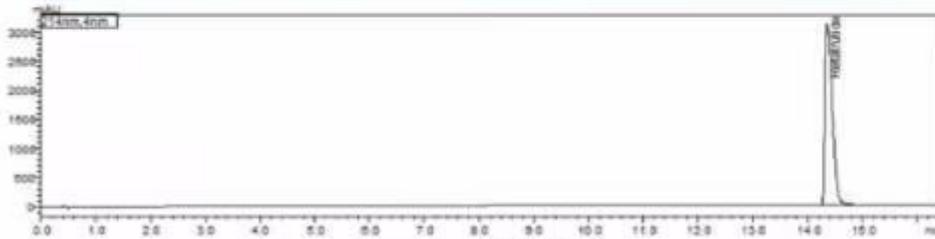
Accession Number	2025.9.9.BGP
Client	Pharmaceutical Development
Search Code	2025.9.9.BGP

Received Date:	10/6/2025
Reported Date:	10/8/2025

Lot	2025.9.9.BGP
Purity	99.952%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Retatrutide	99.952%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the samples provided. The peptides 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.

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Searchable via: [FreedomDiagnosticsTesting.com](http://FreedomDiagnosticsTesting.com)

Product	IGF-ILR3 1mg
Net Peptide Content	1.14 mg
Identity	IGF-LR3

## Certificate of Analysis

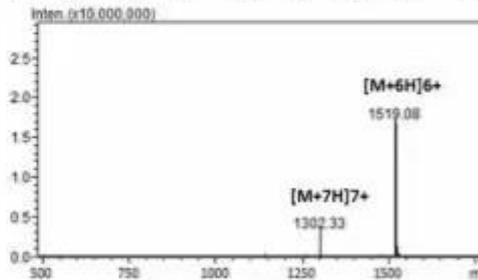
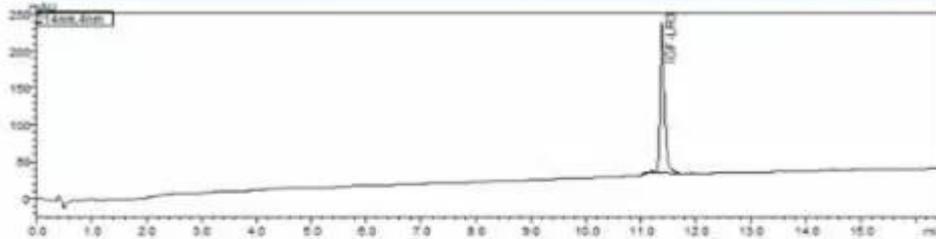
Accession Number	
Client	
Search Code	

Received Date:	10/6/2025
Reported Date:	10/8/2025

Lot	2025.9.9.JGL1
Purity	98.277%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
IGF-LR3	98.277%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the samples provided. The peptides tested are intended for research use only and are not approved for human or veterinary use, diagnosis, 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.

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Product	Retatrutide 20mg
Net Peptide Content	22.14 mg
Identity	Retatrutide

## Certificate of Analysis

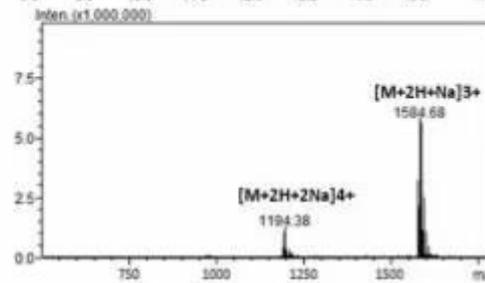
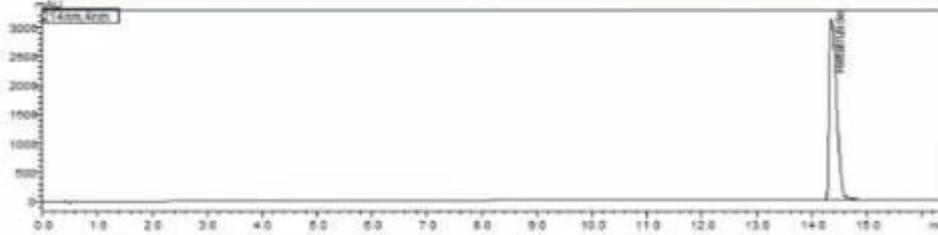
Accession Number	
Client	
Search Code	

Received Date:	10/6/2025
Reported Date:	10/8/2025

Lot	2025.9.9.BGP
Purity	99.952%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Retatrutide	99.952%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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<b>Product</b>	GLP-1/GIP/GLUCAGON RT 10mg
<b>Net Peptide Content</b>	10.89 mg
<b>Identity</b>	Retatrutide

## Certificate of Analysis

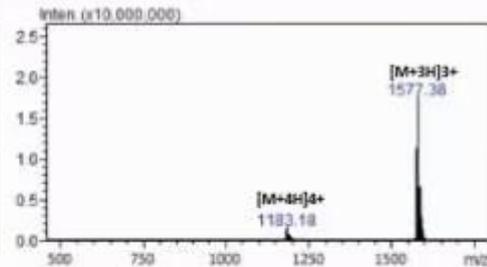
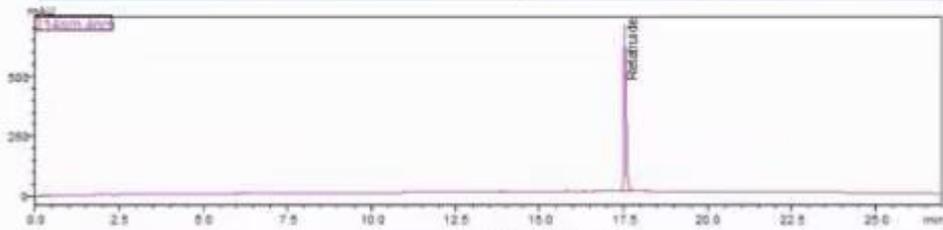
<b>Assession Number</b>	7766-000001
<b>Client</b>	PTC Biologicals Inc
<b>Search Code</b>	6/16/2025 10:01:00 AM

<b>Received Date:</b>	6/13/2025
<b>Reported Date:</b>	6/16/2025

<b>Lot</b>	0362
<b>Purity</b>	99.39%
<b>Appearance</b>	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
<b>Retatrutide</b>	<b>99.39%</b>



*Stephen Schmidt*

Stephen Schmidt

Principle Chemist

7766-000001

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical application. 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.

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Searchable via: [freedomdiagnostics.com](https://freedomdiagnostics.com)

Product	GHK-Cu 50mg
Net Peptide Content	50.28 mg
Identity	GHK-Cu

## Certificate of Analysis

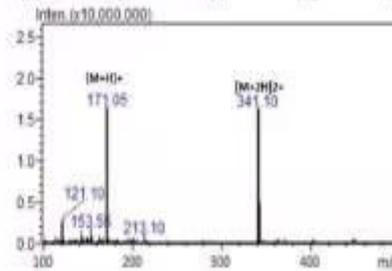
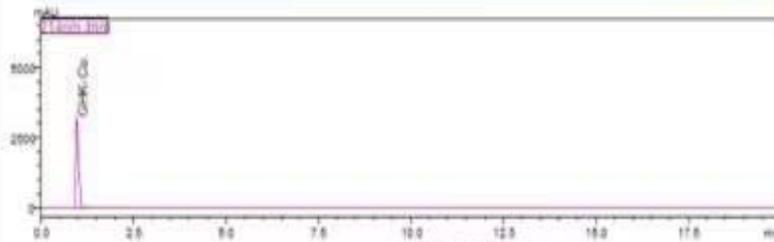
Accession Number	
Client	
Search Code	

Received Date:	7/21/2025
Reported Date:	7/22/2025

Lot	0367
Purity	99.91%
Appearance	Blue Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
GHK-Cu	99.91%



*Stephen Schmidt*

Stephen Schmidt

Principal Chemist

COA: 0367-00000000

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This method is intended for informational purposes only and is not specific to this sample(s) presented. The peptides tested are intended for research use only and are not approved for human or veterinary use. Synthetic, biological, or chemical synthesis results should be assessed by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample storage, handling, and other experimental variables.

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<b>Product</b>	GLP-1/GIP TZ 10mg
<b>Net Peptide Content</b>	10.70 mg
<b>Identity</b>	Tirzepatide

## Certificate of Analysis

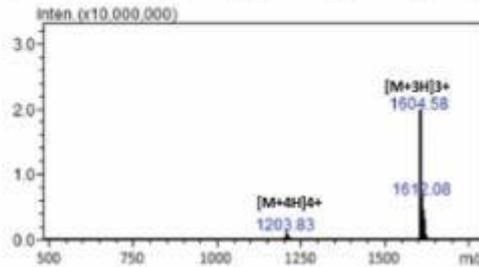
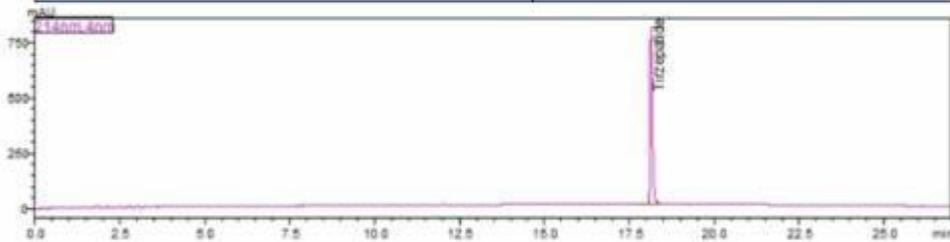
<b>Assession Number</b>	20250613001
<b>Client</b>	Dr. [REDACTED]
<b>Search Code</b>	[REDACTED]

<b>Received Date:</b>	6/13/2025
<b>Reported Date:</b>	6/16/2025

<b>Lot</b>	0362
<b>Purity</b>	99.70%
<b>Appearance</b>	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
<b>Tirzepatide</b>	<b>99.70%</b>



*Stephen Schmidt*

COA: **20250613001**

Stephen Schmidt  
Principle Chemist

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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Product	BPC157 5mg
Net Peptide Content	5.23 mg
Identity	BPC-157

## Certificate of Analysis

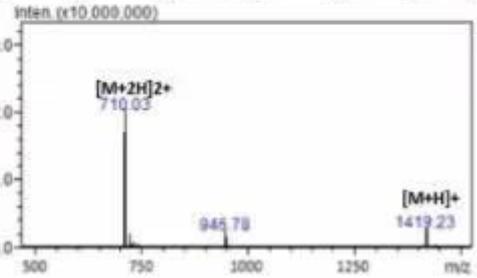
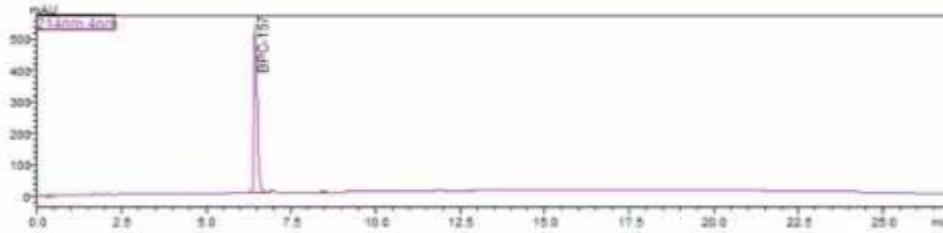
Assession Number	1506-000000
Client	1506-000000
Search Code	1506-000000

Received Date:	6/13/2025
Reported Date:	6/16/2025

Lot	0362
Purity	99.18%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
BPC-157	99.18%



*Stephen Schmidt*

COA: 1506130000

Stephen Schmidt  
Principle Chemist

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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Product	Semaglutide 20mg
Net Peptide Content	23.01 mg
Identity	Semaglutide

## Certificate of Analysis

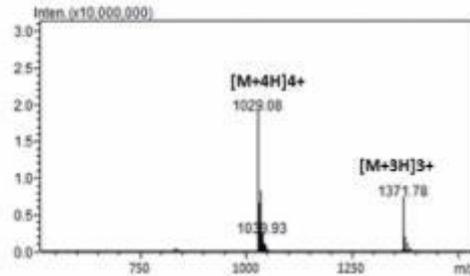
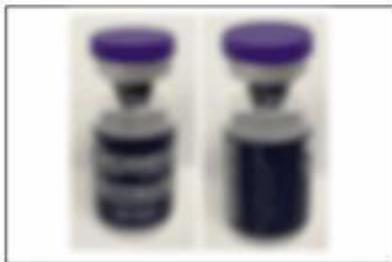
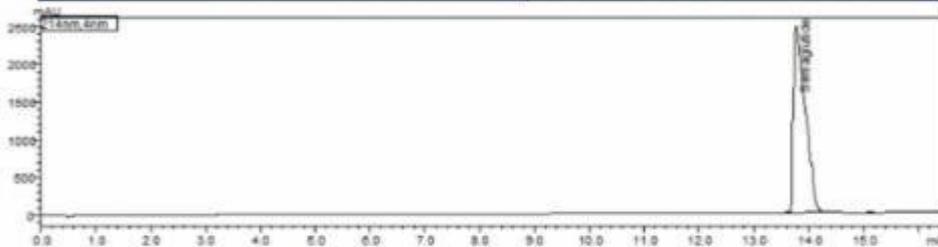
Accession Number	2025090901
Client	Medtronic, Minneapolis, MN
Search Code	2025090901

Received Date:	10/6/2025
Reported Date:	10/8/2025

Lot	2025.9.9.BGP
Purity	99.921%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Semaglutide	99.921%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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Product	TR60
Net Peptide Content	65.78 mg
Identity	Tirzepatide

## Certificate of Analysis

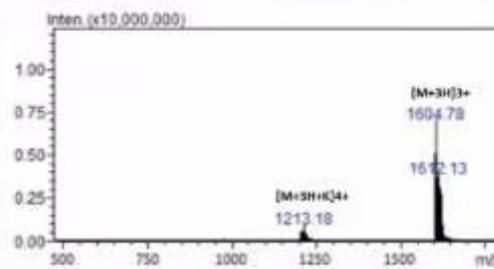
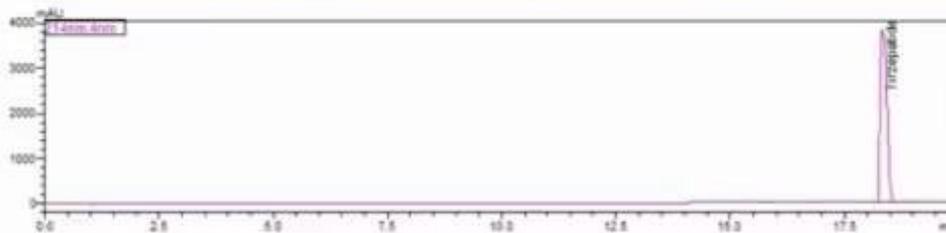
Assession Number	
Client	
Search Code	

Received Date:	8/20/2025
Reported Date:	8/21/2025

Lot	13825
Purity	99.87%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Tirzepatide	99.87%



*Stephen Schmidt*

Stephen Schmidt  
Principal Chemist

COA:

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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Product	Kisspeptin 10 10mg
Net Peptide Content	10.07 mg
Identity	Kisspeptin-10

## Certificate of Analysis

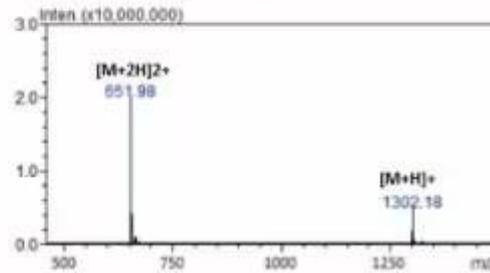
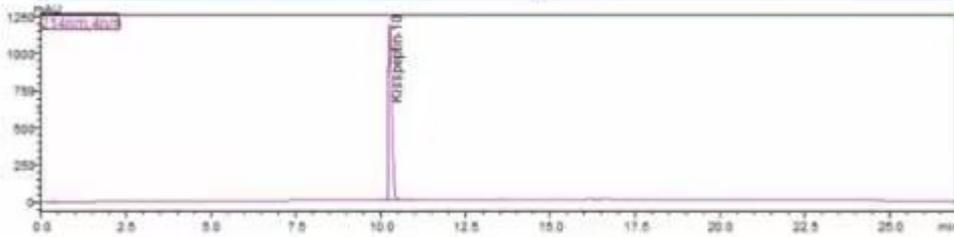
Assession Number	
Client	
Search Code	

Received Date:	6/13/2025
Reported Date:	6/16/2025

Lot	0362
Purity	99.58%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
Kisspeptin-10	99.58%



*Stephen Schmidt*

Stephen Schmidt  
Principle Chemist

COA: XXXXXXXXXX

The peptide purity analysis reported here was conducted using LC/MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.

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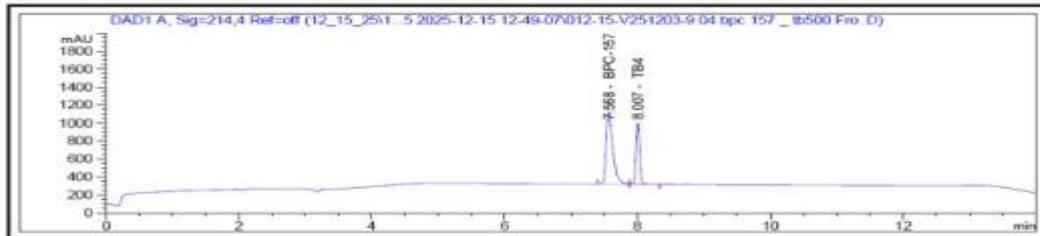
Vanguard Laboratory  
2635 Parkmont Ln  
Olympia, Wa 98502  
360-967-7010

# Certificate of Analysis

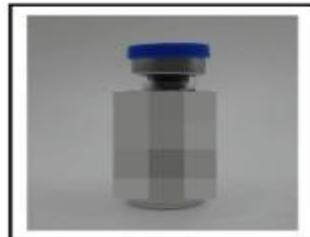
BPC-157/TB-500 10 mg

Report To: [REDACTED]

Compound: BPC-157/TB-500  
Quantity: 10 mg  
Laboratory ID: [REDACTED]  
Lot Number: [REDACTED]  
Date Reported: 12/16/2025



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.50% ± 0.18%
Quantity: BPC-157	HPLC-UV/VIS	9.29 mg
Quantity: TB-500	HPLC-UV/VIS	6.26 mg



Report By: Dustin Newman, Laboratory Director on 12/16/2025

Approved By: Tori Johnson, Operations Manager on 12/16/2025



Please consult A2LA Certificate #6377.01.01 for a list of accredited tests. Samples were received in acceptable condition. The result(s) in this report relate only to the portion of the sample(s) tested. All analyses were performed consistent with the Vanguard Laboratory Quality Management System. Vanguard Laboratory and its staff did not observe or participate in the sample selection process, and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch.

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Olympia, Wa 98502  
360-967-7010

# Certificate of Analysis

KLOW 80 mg

Report To:

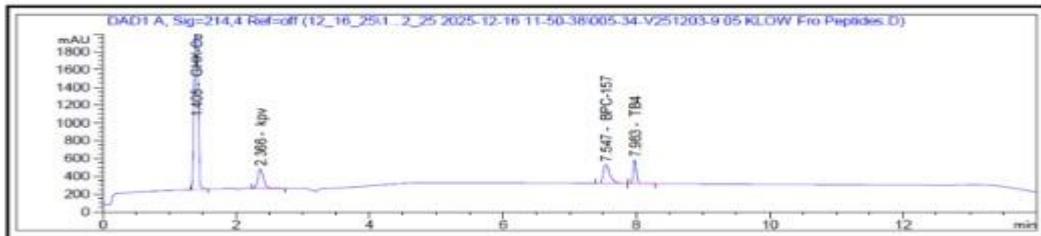
Compound: KLOW

Quantity: 80 mg

Laboratory ID:

Lot Number:

Date Reported: 12/11/2025



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.00% ± 0.18%
Quantity: GHK-Cu	HPLC-UV/VIS	58.84 mg
Quantity: BPC-157	HPLC-UV/VIS	12.19 mg
Quantity: TB-500	HPLC-UV/VIS	10.11 mg
Quantity: KPV	HPLC-UV/VIS	10.50 mg



Report By: Dustin Newman, Laboratory Director on 12/11/2025

Approved By: Tori Johnson, Operations Manager on 12/11/2025



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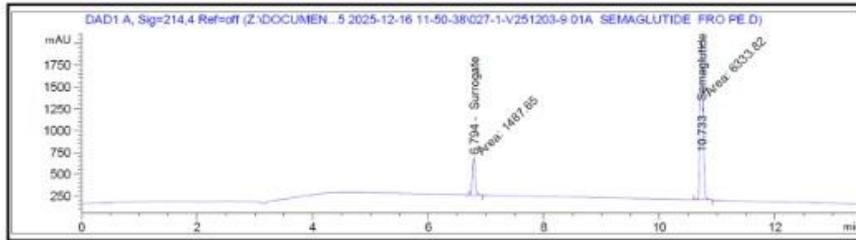
Vanguard Laboratory  
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Olympia, Wa 98502  
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# Certificate of Analysis

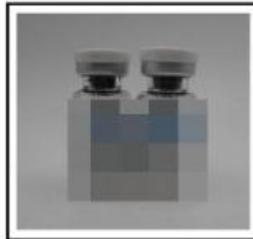
Semaglutide 5 mg

Report To: [REDACTED]

Compound: Semaglutide  
Quantity: 5 mg  
Laboratory ID: [REDACTED]  
Lot Number: [REDACTED]  
Date Reported: 12/18/2025



Analysis	Method	Result (Per Vial)	
Chromatographic Purity	HPLC-UV/VIS	>99.80%	>99.80%
Quantity	HPLC-UV/VIS	6.26 mg	6.14 mg



Report By: Dustin Newman, Laboratory Director on 12/18/2025

Approved By: Tori Johnson, Operations Manager on 12/18/2025



Please consult A2LA Certificate #6377.01.01 for a list of accredited tests. Samples were received in acceptable condition. The result(s) in this report relate only to the portion of the sample(s) tested. All analyses were performed consistent with the Vanguard Laboratory Quality Management System. Vanguard Laboratory and its staff did not observe or participate in the sample selection process, and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch.



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Olympia, Wa 98502  
360-967-7010

# Certificate of Analysis

KLOW 80 mg

Report To:

Compound: KLOW

Quantity: 80 mg

Laboratory ID:

Lot Number:

Date Reported: 12/11/2025



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.00% ± 0.18%
Quantity: GHK-Cu	HPLC-UV/VIS	58.84 mg
Quantity: BPC-157	HPLC-UV/VIS	12.19 mg
Quantity: TB-500	HPLC-UV/VIS	10.11 mg
Quantity: KP	HPLC-UV/VIS	10.50 mg



Report By: Dustin Newman, Laboratory Director on 12/11/2025

Approved By: Tori Johnson, Operations Manager on 12/11/2025



Please consult A2LA Certificate #6377.01.01 for a list of accredited tests. Samples were received in acceptable condition. The result(s) in this report relate only to the portion of the sample(s) tested. All analyses were performed consistent with the Vanguard Laboratory Quality Management System. Vanguard Laboratory and its staff did not observe or participate in the sample selection process, and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch.

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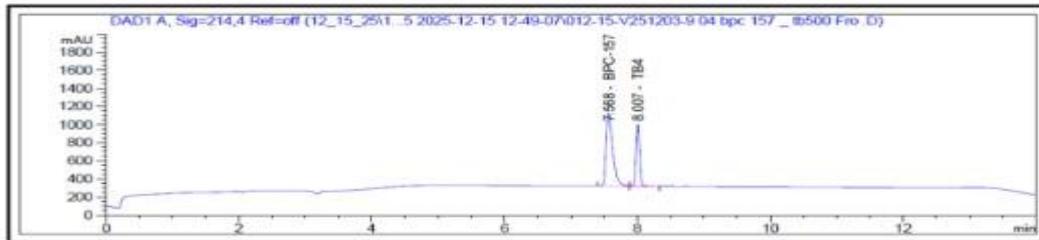
Vanguard Laboratory  
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Olympia, Wa 98502  
360-967-7010

# Certificate of Analysis

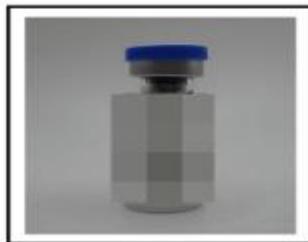
BPC-157/TB-500 10 mg

Report To:

Compound: BPC-157/TB-500  
Quantity: 10 mg  
Laboratory ID:  
Lot Number:  
Date Reported: 12/16/2025



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.50% + 0.18%
Quantity: BPC-157	HPLC-UV/VIS	9.29 mg
Quantity: TB-500	HPLC-UV/VIS	6.26 mg



Report By: Dustin Newman, Laboratory Director on 12/16/2025

Approved By: Tori Johnson, Operations Manager on 12/16/2025



Please consult A2LA Certificate #6377.01.01 for a list of accredited tests. Samples were received in acceptable condition. The result(s) in this report relate only to the portion of the sample(s) tested. All analyses were performed consistent with the Vanguard Laboratory Quality Management System. Vanguard Laboratory and its staff did not observe or participate in the sample selection process, and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch.

vanguardlaboratory.com  
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MZ Biolabs  
2102 N Country Club Rd  
Tucson, AZ 85716  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)  
[www.mzbiolabs.com](http://www.mzbiolabs.com)

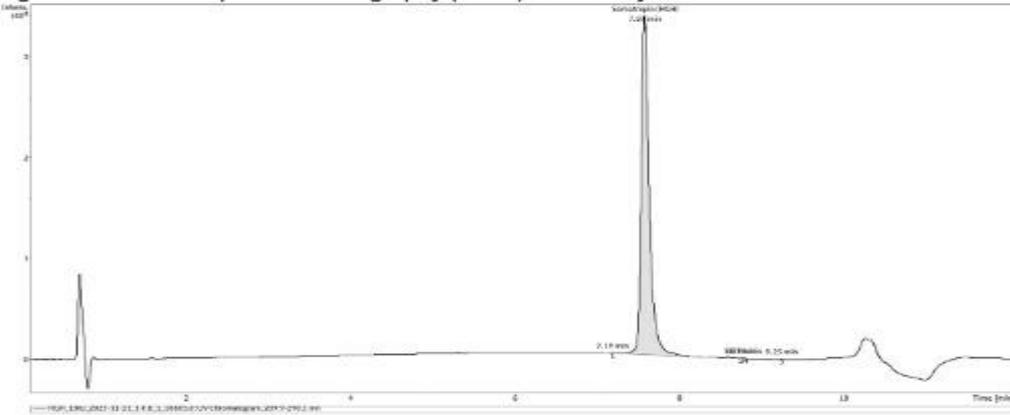
# Certificate of Analysis

## Human Growth Hormone 10IU

Somatropin, 191 amino acids

Compound : HGH  
Lot number : 2025-11-21  
Analysis date : 2025-12-01  
Purity % : 99.86%  
Method : HPLC-UV-MS

### High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST				Number of detected peaks: 5	
	Time (min)	Area	%Area		
1	7.19	2.44E+02	0.11		
2	7.59	2.28E+05	99.86	HGH	
3	8.75	1.86E+01	0.01		
4	8.80	2.33E+01	0.01		
5	9.25	3.14E+01	0.01		

Analysis Performed by  
Ken Pendarvis, ChE  
Analytical Chemist  
MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)

2025-12-11

Note: Injectable peptides may contain salts and sugars to aid in solubility and act as pH buffers. These are not normally detected using UV and are not considered impurities.



MZ Biolabs  
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Tucson, AZ 85716  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)  
[www.mzbiolabs.com](http://www.mzbiolabs.com)

# Human Growth Hormone 10IU

Somatropin, 191 amino acids

## Mass Spectrometry (MS) – Identity Test

### Identity confirmed using HPLC-MS

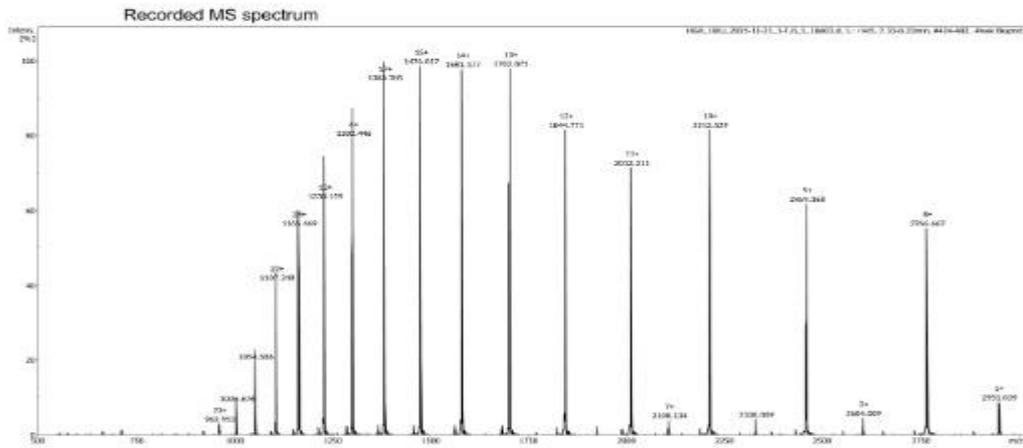
Molecular weight calculated using base peak m/z values from mass spectrum

Expected average mass : 22124.00 Da

Measured base peak mass : 22124.00 Da

Molecular weight confirmed

Note : The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.



Analysis Performed by  
Ken Pendarvis, ChE  
Analytical Chemist  
MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)

2025-12-11



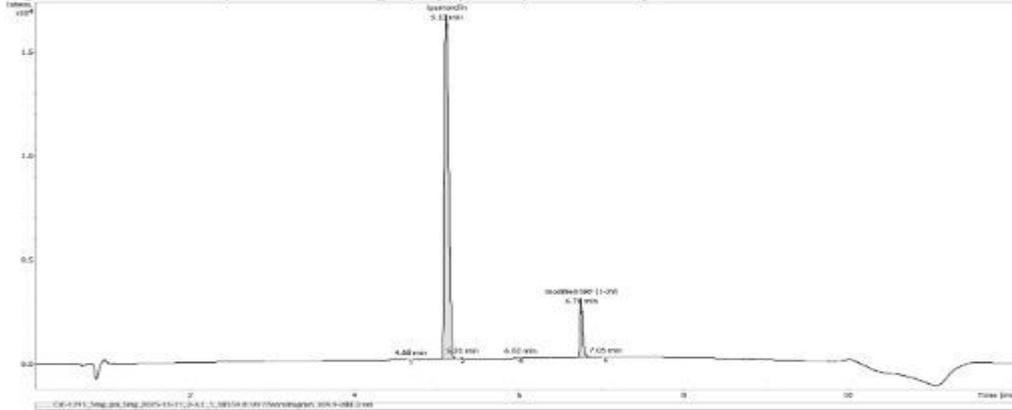
MZ Biolabs  
2102 N Country Club Rd  
Tucson, AZ 85716  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)  
[www.mzbiolabs.com](http://www.mzbiolabs.com)

# Certificate of Analysis

## Ipamorelin, CJC-1295 no DAC

Compound : Ipamorelin, CJC-1295 no DAC  
Lot number : 2025-11-21  
Analysis date : 2025-12-01  
Purity % : 99.77%  
Method : HPLC-UV-MS

### High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST		Number of detected peaks: 6	
Time (min)	Area	%Area	
1 4.68	3.99E+01	0.06	
2 5.13	6.01E+04	89.91	Ipamorelin
3 5.31	8.66E+01	0.13	
4 6.02	1.87E+01	0.03	
5 6.76	6.59E+03	9.86	CJC-1295 no DAC
6 7.05	8.74E+00	0.01	

Overall Purity : 99.77

Analysis Performed by  
Ken Pendarvis, ChE  
Analytical Chemist  
MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)

2025-12-11

Note: Injectable peptides may contain salts and sugars to aid in solubility and act as pH buffers. These are not normally detected using UV and are not considered impurities.



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Tucson, AZ 85716  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)  
[www.mzbiolabs.com](http://www.mzbiolabs.com)

## Ipamorelin, CJC-1295 no DAC

### Mass Spectrometry (MS) – Identity Test

#### Identity confirmed using HPLC-MS

Molecular weight calculated using monoisotopic m/z values from mass spectrum

Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides.  
The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.

#### Ipamorelin

PubChem CID: 9831659

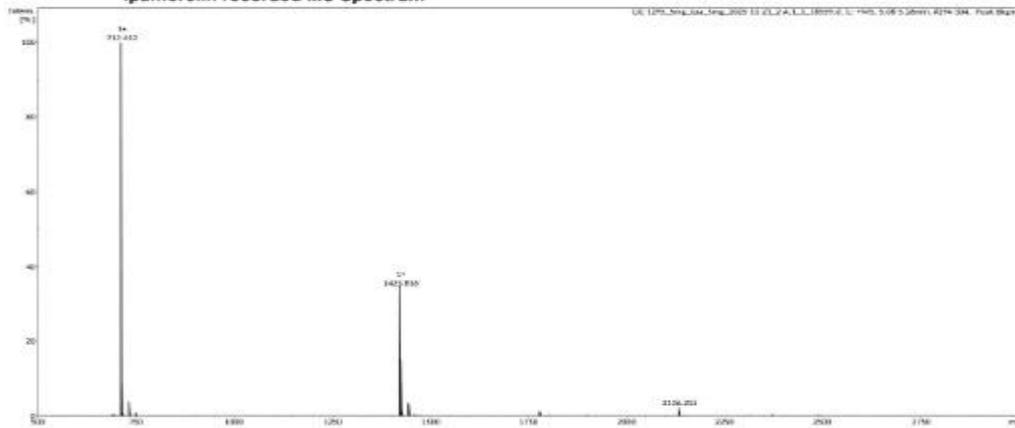
<https://pubchem.ncbi.nlm.nih.gov/compound/9831659>

Expected monoisotopic mass : 711.38 Da

Measured monoisotopic mass : 711.41 Da

**Molecular weight confirmed**

#### Ipamorelin recorded MS Spectrum



Analysis Performed by  
Ken Pendarvis, ChE  
Analytical Chemist  
MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)

  
2025-12-11



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[www.mzbiolabs.com](http://www.mzbiolabs.com)

## Ipamorelin, CJC-1295 no DAC

### Mass Spectrometry (MS) – Identity Test

#### Identity confirmed using HPLC-MS

Molecular weight calculated using monoisotopic m/z values from mass spectrum

Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides.  
The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.

#### CJC-1295 no DAC

PubChem CID: 91971820

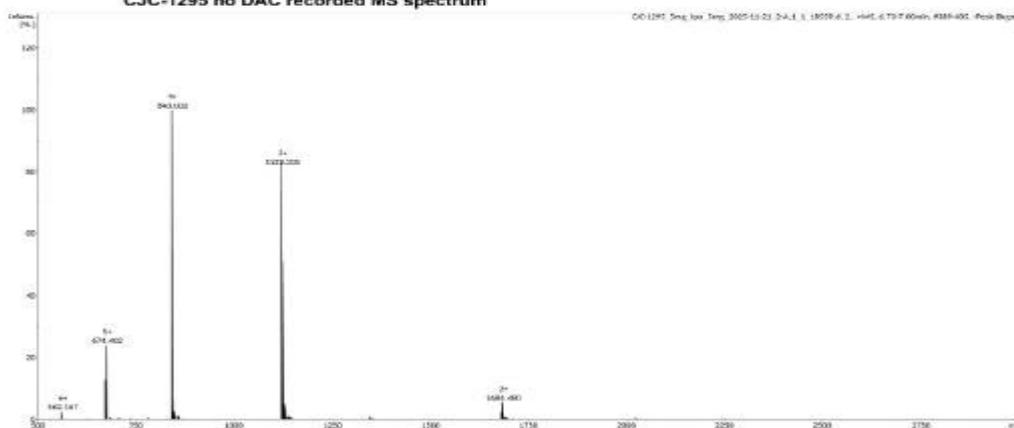
<https://pubchem.ncbi.nlm.nih.gov/compound/91971820>

Expected monoisotopic mass : 3365.89 Da

Measured monoisotopic mass : 3365.99 Da

**Molecular weight confirmed**

#### CJC-1295 no DAC recorded MS spectrum



Analysis Performed by  
Ken Pendarvis, ChE  
Analytical Chemist  
MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)

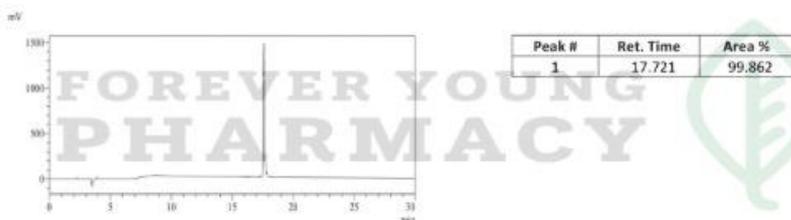
2025-12-11

**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

Product Name	NAD+ 500 mg (Nicotinamide adenine dinucleotide)
Client Name/Lot No.	██████████ / Batch# HKNJ825
Sequence	C21H28N7O14P2
Dissolution condition	100% H2O
Length	N/A
Molecular Weight	664 g/mol

**CHROMATOGRAM**



**TEST RESULTS**

	Specifications	Results
Strength	500.00 mg	587.73 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.9%
pH value	4.0-7.0	6.5
Impurity	Single impurity ≤1.0%	0.1%
	Total Impurity ≤2.0%	0.1%

**TEST PARAMETERS**

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	214nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	20µL

**CONCLUSION**

One 10mL amber vial contained a white lyophilized powder and has a blue cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.9% NAD+ (587.73 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**



Dane Fredericksen  
Analytical Chemist  
09/11/2025



**\*\*Verify the validity of test results by contacting support@foreveryoungpharmacy.com\*\***

**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

Product Name	Semaglutide 30 mg
Client Name/Lot No.	[REDACTED] / Batch# HKSMG3825
Sequence	H-His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Gly-Gln-Ala-Ala-Lys(C18-diacid-gamma-Glu-OEG-OEG)-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly-OH
Dissolution condition	100% H2O
Length	31AA
Molecular Weight	4113.6 g/mol

**CHROMATOGRAM**



Peak #	Ret. Time	Area %
1	2.731	99.622

**TEST RESULTS**

	Specifications	Results
Strength	30.00 mg	30.15 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.6%
pH value	6.0-8.0	7.0
Impurity	Single Impurity ≤1.0%	0.3%
	Total Impurity ≤2.0%	0.4%

**TEST PARAMETERS**

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	220nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	30µL

**CONCLUSION**

One 3ml vial contained a white lyophilized powder and has a black cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.6% semaglutide (30.15 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**



Dane Fredericksen  
Analytical Chemist  
09/11/2025



**\*\*Verify the validity of test results by using the above QR code or contacting support@foreveryoungpharmacy.com\*\***

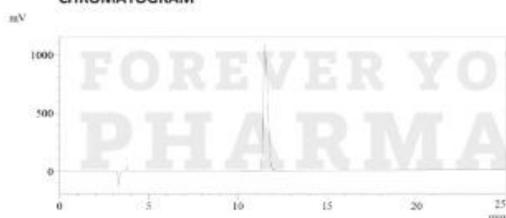
Forever Young Pharmacy [www.foreveryoungpharmacy.com](http://www.foreveryoungpharmacy.com) +16198373348 6351 Corte Del Abeto, Suite 111, Carlsbad, CA 92011

**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

Product Name	MOTS-C 20 mg
Client Name/Lot No.	Batch# MT20HK825
Sequence	Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg
Dissolution condition	100% H2O
Length	16AA
Molecular Weight	2174.60 g/mol

**CHROMATOGRAM**



Peak #	Ret. Time	Area %
1	11.272	99.786

**TEST RESULTS**

	Specifications	Results
Strength	20.00 mg	20.18 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.8%
pH value	6.0-8.0	6.5
Impurity	Single Impurity ≤1.0%	0.1%
	Total Impurity ≤2.0%	0.2%

**TEST PARAMETERS**

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	214nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	20µL

**CONCLUSION**

One 3ml contained a white lyophilized powder and has a black cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.8% MOTS-C (20.18 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**

  
Dane Fredericksen  
Analytical Chemist  
09/11/2025

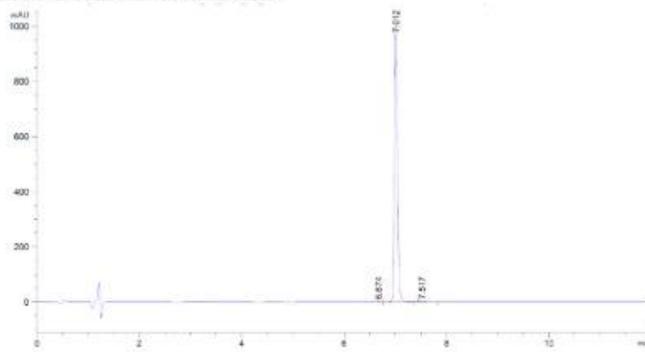


**\*\*Verify the validity of test results by contacting support@foreveryoungpharmacy.com\*\***

## PEPTIDE ID, MASS AND PURITY ANALYSIS REPORT

Client: Ash pinem  
Sample ID: TR60 Batch 1 HK  
Date: Received 22/09/2025 / Analysed 23/09/2025  
Notes: Silver crimp, dark blue matte cap  
Task #: 039

### SAMPLE CHROMATOGRAM:



### RESULTS:

Peptide ID: Tirzepatide  
Peptide purity: 99.63 %  
Peptide mass: 69.35 mG

### IMAGE:



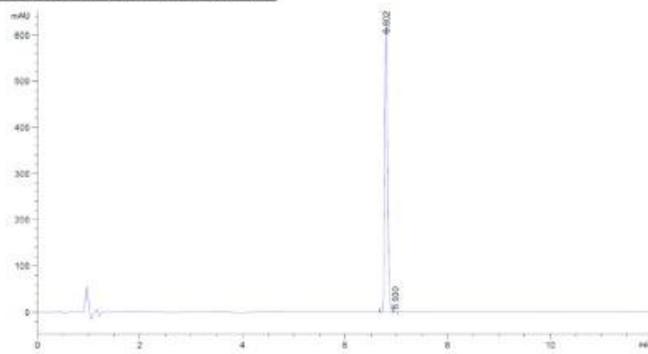
### VERIFY REPORT:



## PEPTIDE ID, MASS AND PURITY ANALYSIS REPORT

Client: Ash pinem  
Sample ID: RT10 Batch 1 hk  
Date: Received 22/09/2025 / Analysed 23/09/2025  
Notes: Silver crimp, green flip off cap  
Task #: 036

### SAMPLE CHROMATOGRAM:



### RESULTS:

Peptide ID: Retatrutide  
Peptide purity: 99.88 %  
Peptide mass: 11.42 mG

### IMAGE:



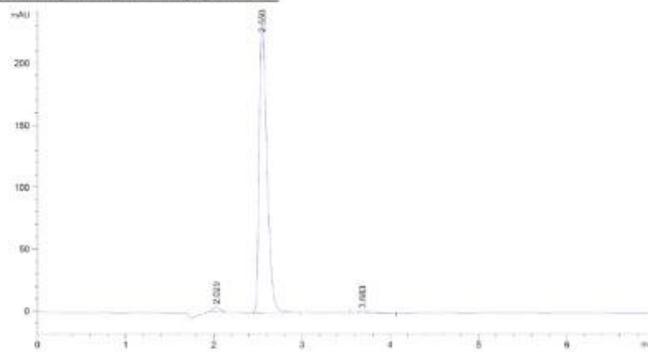
### VERIFY REPORT:



## PEPTIDE ID, MASS AND PURITY ANALYSIS REPORT

Client: Ash pinem  
Sample ID: ET50 Batch HK  
Date: Received 22/09/2025 / Analysed 29/09/2025  
Notes: Silver crimp, matte green cap, 10 ml vial  
Task #: 035

### SAMPLE CHROMATOGRAM:



### RESULTS:

Peptide ID: Epitalon  
Peptide purity: 98.65%  
Peptide mass: 62.45 mG

### IMAGE:



### VERIFY REPORT:

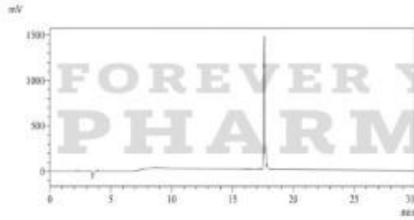


**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

Product Name	NAD+ 500 mg (Nicotinamide adenine dinucleotide)
Client Name/Lot No.	<del>XXXXXXXXXXXX</del> / Batch# HKNJ825
Sequence	C21H28N7O14P2
Dissolution condition	100% H2O
Length	N/A
Molecular Weight	664 g/mol

**CHROMATOGRAM**



Peak #	Ret. Time	Area %
1	17.721	99.862

**TEST RESULTS**

	Specifications	Results
Strength	500.00 mg	587.73 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.9%
pH value	4.0-7.0	6.5
Impurity	Single impurity ≤1.0%	0.1%
	Total impurity ≤2.0%	0.1%

**TEST PARAMETERS**

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	214nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	20uL

**CONCLUSION**

One 10mL amber vial contained a white lyophilized powder and has a blue cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.9% NAD+ (587.73 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**



Dane Fredericksen  
Analytical Chemist  
09/11/2025



**\*\*Verify the validity of test results by contacting support@foreveryoungpharmacy.com\*\***

**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

Product Name	Semaglutide 30 mg
Client Name/Lot No.	XXXXXXXXXXXXXXXXXXXX / Batch# HKSMG3825
Sequence	H-His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(C18-diacid-gamma-Glu-OEG-OEG)-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly-OH
Dissolution condition	100% H2O
Length	31AA
Molecular Weight	4113.6 g/mol

**CHROMATOGRAM**



Peak #	Ret. Time	Area %
1	2.731	99.622

**TEST RESULTS**

	Specifications	Results
Strength	30.00 mg	30.15 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.6%
pH value	6.0-8.0	7.0
Impurity	Single Impurity ≤1.0%	0.3%
	Total Impurity ≤2.0%	0.4%

**TEST PARAMETERS**

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	220nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6" 250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	30uL

**CONCLUSION**

One 3ml vial contained a white lyophilized powder and has a black cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.6% semaglutide (30.15 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**



Dane Fredericksen  
Analytical Chemist  
09/11/2025



**\*\*Verify the validity of test results by using the above QR code or contacting support@foreveryoungpharmacy.com\*\***

Forever Young Pharmacy [www.foreveryoungpharmacy.com](http://www.foreveryoungpharmacy.com) +16158373348 6351 Corte Del Abeto, Suite 111, Carlsbad, CA 92011

**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

Product Name	MOTS-C 20 mg
Client Name/Lot No.	[REDACTED] Batch# MT20HK825
Sequence	Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg
Dissolution condition	100% H2O
Length	16AA
Molecular Weight	2174.60 g/mol

**CHROMATOGRAM**



**TEST RESULTS**

	Specifications	Results
Strength	20.00 mg	20.18 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.8%
pH value	6.0-8.0	6.5
Impurity	Single Impurity ≤1.0%	0.1%
	Total Impurity ≤2.0%	0.2%

**TEST PARAMETERS**

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	214nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	20µL

**CONCLUSION**

One 3ml contained a white lyophilized powder and has a black cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.8% MOTS-C (20.18 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**



Dane Fredericksen  
Analytical Chemist  
09/11/2025

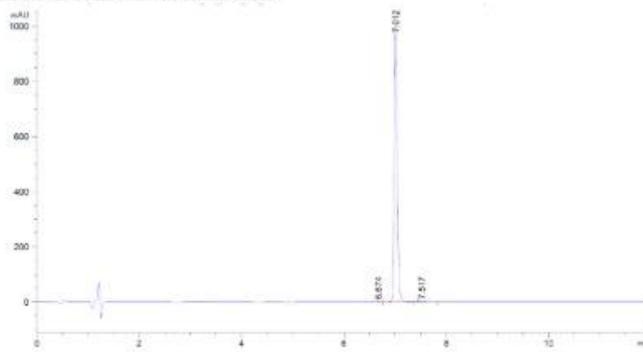


**\*\*Verify the validity of test results by contacting support@foreveryoungpharmacy.com\*\***

## PEPTIDE ID, MASS AND PURITY ANALYSIS REPORT

Client: Ash pinem  
Sample ID: TR60 Batch 1 HK  
Date: Received 22/09/2025 / Analysed 23/09/2025  
Notes: Silver crimp, dark blue matte cap  
Task #: 039

### SAMPLE CHROMATOGRAM:



### RESULTS:

Peptide ID: Tirzepatide  
Peptide purity: 99.63 %  
Peptide mass: 69.35 mG

### IMAGE:



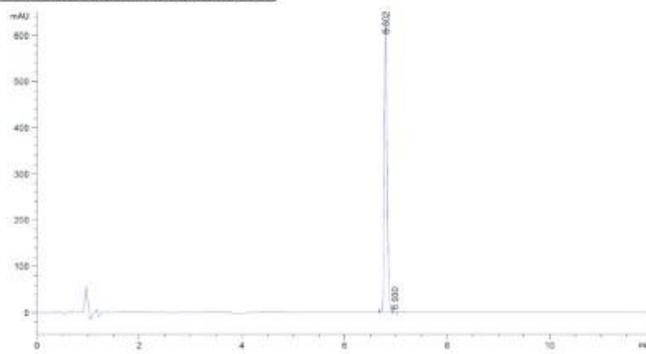
### VERIFY REPORT:



## PEPTIDE ID, MASS AND PURITY ANALYSIS REPORT

Client: Ash pinem  
Sample ID: RT10 Batch 1 hk  
Date: Received 22/09/2025 / Analysed 23/09/2025  
Notes: Silver crimp, green flip off cap  
Task #: 036

### SAMPLE CHROMATOGRAM:



### RESULTS:

Peptide ID: Retatrutide  
Peptide purity: 99.88 %  
Peptide mass: 11.42 mG

### IMAGE:



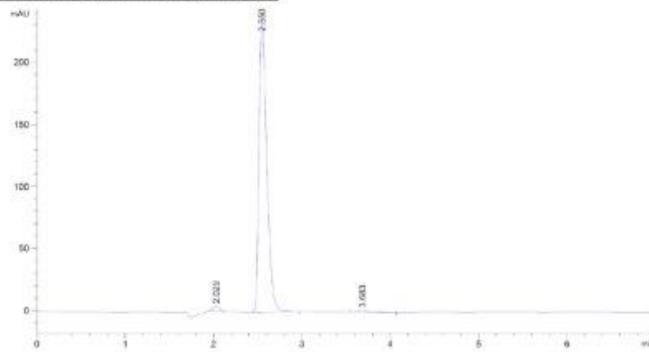
### VERIFY REPORT:



## PEPTIDE ID, MASS AND PURITY ANALYSIS REPORT

Client: Ash pinem  
Sample ID: ET50 Batch HK  
Date: Received 22/09/2025 / Analysed 29/09/2025  
Notes: Silver crimp, matte green cap, 10 ml vial  
Task #: 035

### SAMPLE CHROMATOGRAM:



### RESULTS:

Peptide ID: Epitalon  
Peptide purity: 98.65%  
Peptide mass: 62.45 mG

### IMAGE:



### VERIFY REPORT:



**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

Product Name	NAD+ 500 mg (Nicotinamide adenine dinucleotide)
Client Name/Lot No.	██████████ / Batch# HKNJ825
Sequence	C21H28N7O14P2
Dissolution condition	100% H2O
Length	N/A
Molecular Weight	664 g/mol

**CHROMATOGRAM**



**TEST RESULTS**

	Specifications	Results
Strength	500.00 mg	587.73 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.9%
pH value	4.0-7.0	6.5
Impurity	Single impurity ≤1.0%	0.1%
	Total Impurity ≤2.0%	0.1%

**TEST PARAMETERS**

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	214nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	20µL

**CONCLUSION**

One 10mL amber vial contained a white lyophilized powder and has a blue cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.9% NAD+ (587.73 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**

  
Dane Fredericksen  
Analytical Chemist  
09/11/2025



**\*\*Verify the validity of test results by contacting support@foreveryoungpharmacy.com\*\***

**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

Product Name	Semaglutide 30 mg
Client Name/Lot No.	[REDACTED] / Batch# HKSMG3825
Sequence	H-His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(C18-diacid-gamma-Glu-OEG-OEG)-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly-OH
Dissolution condition	100% H2O
Length	31AA
Molecular Weight	4113.6 g/mol

**CHROMATOGRAM**



Peak #	Ret. Time	Area %
1	2.731	99.622

**TEST RESULTS**

	Specifications	Results
Strength	30.00 mg	30.15 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.6%
pH value	6.0-8.0	7.0
Impurity	Single Impurity ≤1.0%	0.3%
	Total Impurity ≤2.0%	0.4%

**TEST PARAMETERS**

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	220nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	30uL

**CONCLUSION**

One 3ml vial contained a white lyophilized powder and has a black cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.6% semaglutide (30.15 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**



Dane Fredericksen  
Analytical Chemist  
09/11/2025



**\*\*Verify the validity of test results by using the above QR code or contacting support@foreveryoungpharmacy.com\*\***

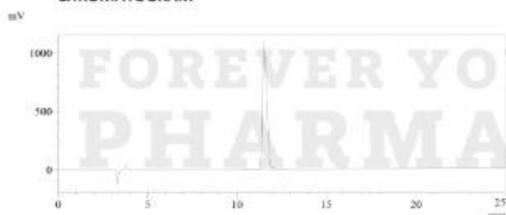
Forever Young Pharmacy [www.foreveryoungpharmacy.com](http://www.foreveryoungpharmacy.com) +16198373348 6351 Corte Del Abeto, Suite 111, Carlsbad, CA 92011

**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

Product Name	MOTS-C 20 mg
Client Name/Lot No.	Batch# MT20HK825
Sequence	Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg
Dissolution condition	100% H2O
Length	16AA
Molecular Weight	2174.60 g/mol

**CHROMATOGRAM**



Peak #	Ret. Time	Area %
1	11.272	99.786

**TEST RESULTS**

	Specifications	Results
Strength	20.00 mg	20.18 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.8%
pH value	6.0-8.0	6.5
Impurity	Single Impurity ≤1.0%	0.1%
	Total Impurity ≤2.0%	0.2%

**TEST PARAMETERS**

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	214nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	20uL

**CONCLUSION**

One 3ml contained a white lyophilized powder and has a black cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.8% MOTS-C (20.18 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**

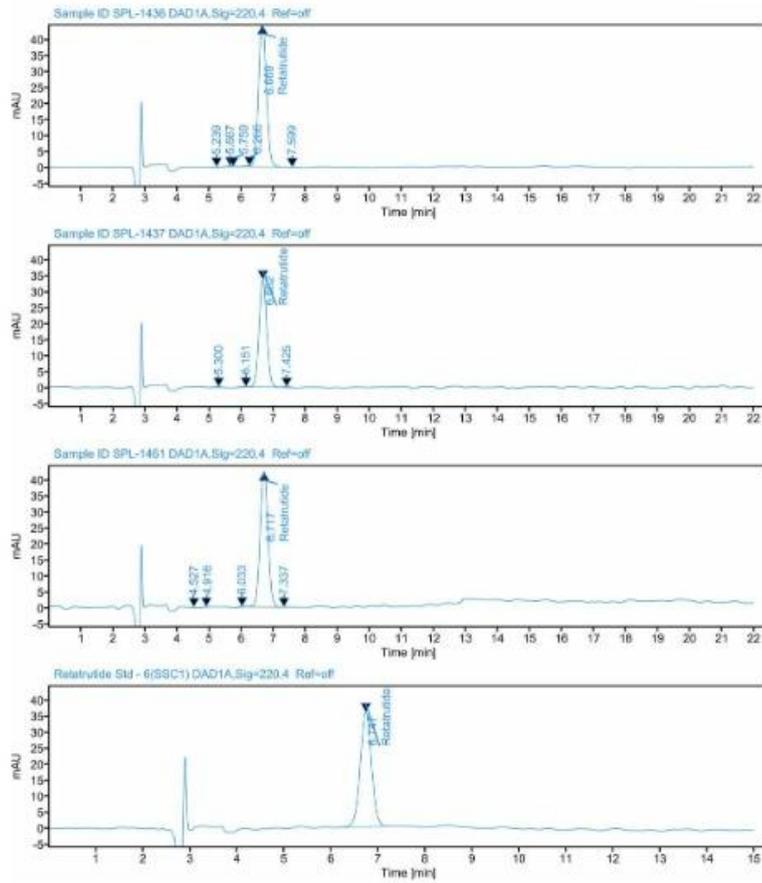


Dane Fredericksen  
Analytical Chemist  
09/11/2025



**\*\*Verify the validity of test results by contacting [support@foreveryoungpharmacy.com](mailto:support@foreveryoungpharmacy.com)\*\***

## Sample Potency and ID Report



### Processing Method Parameters

Name	Standard Factor (%)	Void Volume (min):	2.645
Retatrutide	9.895635	Injection Volume (uL)	10
	9.895635		
	9.895635		

## Sample Potency and ID Report



Name	Standard Factor (%)
Retatrutide	9.895635
	9.895635

### Injection Sequence

Sample Name	Vial #	Multiplier	Instrument Method	Instrument Name
Blank	100	1.00000	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Retatrutide Std - 1	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Retatrutide Std - 2	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Retatrutide Std - 3	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Retatrutide Std - 4	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Retatrutide Std - 5	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Sample ID SPL-1407	12	10.00000	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Sample ID SPL-1425	13	8.33333	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Sample ID SPL-1436	14	10.00000	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Sample ID SPL-1437	15	13.33333	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Sample ID SPL-1461	16	10.00000	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Retatrutide Std - 6(SSC1)	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus

### UV Spectra

## Sample Potency and ID Report

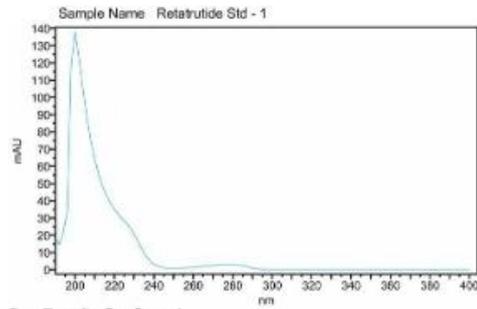
### UV Match Spectra

RT:

6.579

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

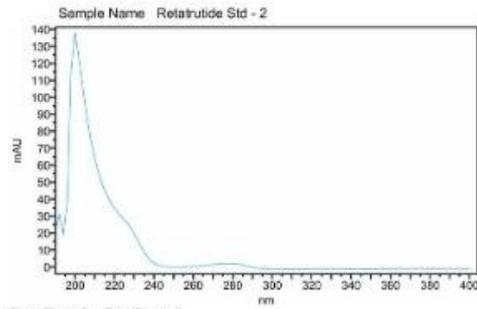
### UV Match Spectra

RT:

6.579

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

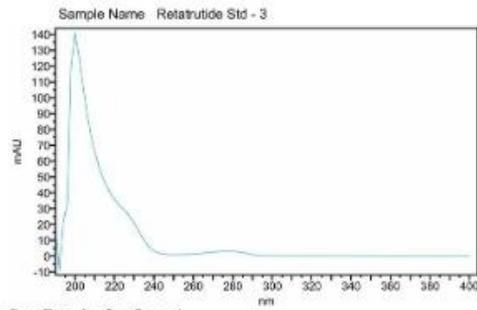
### UV Match Spectra

RT:

6.571

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

## Sample Potency and ID Report

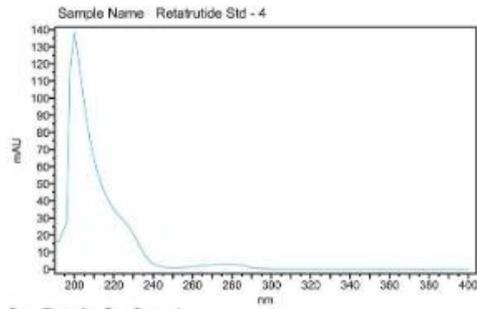
### UV Match Spectra

RT:

6.592

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

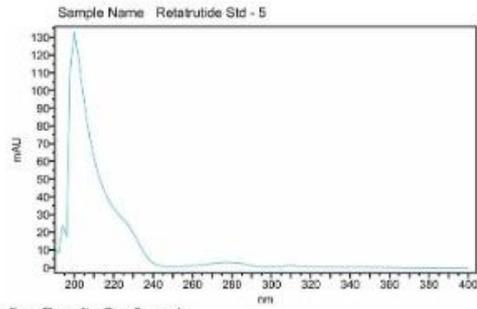
### UV Match Spectra

RT:

6.6

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

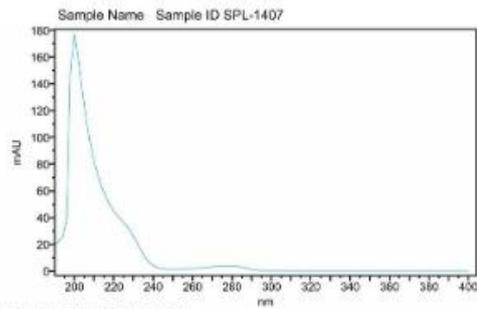
### UV Match Spectra

RT:

6.655

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

## Sample Potency and ID Report

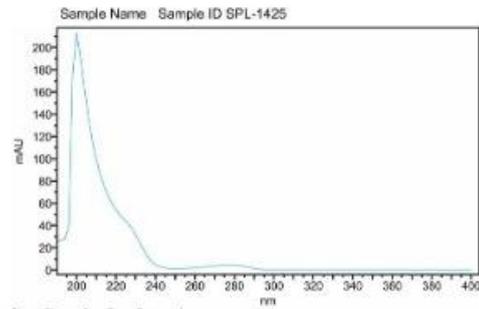
### UV Match Spectra

RT:

6.658

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

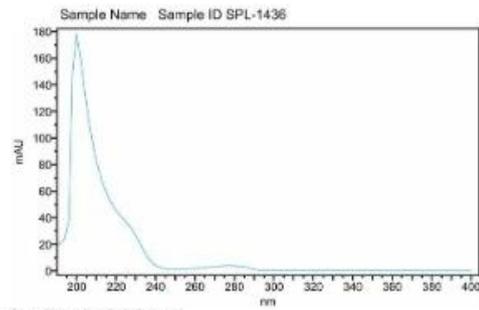
### UV Match Spectra

RT:

6.669

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

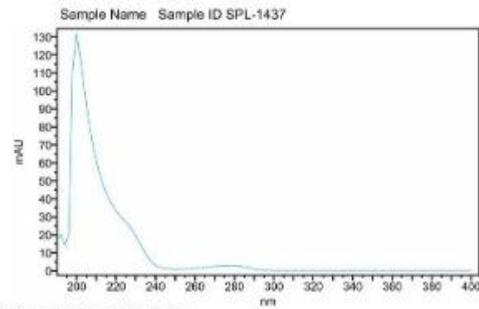
### UV Match Spectra

RT:

6.682

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

## Sample Potency and ID Report

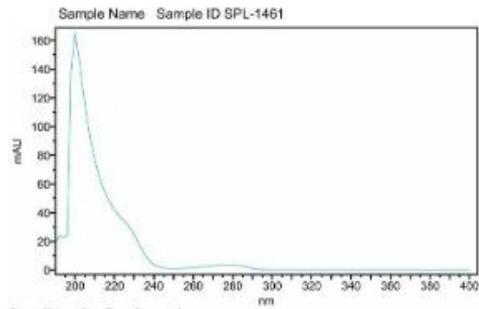
### UV Match Spectra

**RT:**

6.717

**Compound Name:**

Retatrutide



Compound Spectra Confirm Result Confirmed

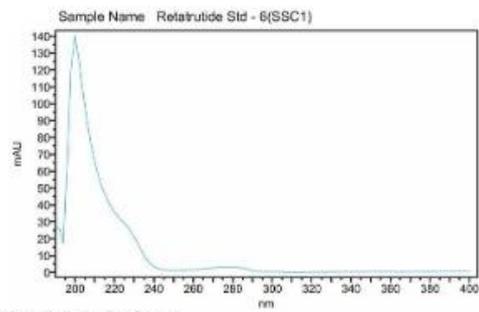
### UV Match Spectra

**RT:**

6.747

**Compound Name:**

Retatrutide



Compound Spectra Confirm Result Confirmed

# Certificate of Analysis

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Verify at TrustPointeLIMS.com  
 Key=MW4R0QB0F30

PEPTIDE TEST



Publish Date:	2025-07-31
Client & Sample ID:	Steve Ortega ; RT20 - Copper Cap - 07.17.2025 - Batch 0367
Sample Name & Mfg:	Retatrutide ; 20mg ; 1 Vial ; HK Roids
Photo of Sample:	

## Results

Sample ID	SPL-1407
TM-1004 Retatrutide Assay	25.134 mg
TM-1004 Retatrutide Purity	98.998 %
TM-1004 Retatrutide ID by RT	1.00
TM-1004 Retatrutide ID by Spectral	1000
TM-1004 Coelution	1000
TM-1004 System Suit	0.9 %RSD

Created by

**Ashlee Lust**  
 President

Reviewed by

**Joshua Lust**  
 Managing Director

- **Sample Assay:** This is the amount of the compound in the vial we tested determined by HPLC analysis.
- **Sample Purity:** This is purity of the sample, calculated including peaks around the compound that may be impurities.
- **ID by RT:** This is an identification test in which the retention time of the sample is compared to the average retention time of five reference standard injections.
- **ID by Spectral:** This is an identification test in which the UV spectrum of the sample is compared to the UV spectrum of the standard.
- **System Suitability:** This value shows that the HPLC system was running properly throughout your testing. The %RSD of the standard injections performed before your sample and the standard injection performed after your sample is calculated to ensure there were no system errors during your run. Although system errors such as leaks, a line running dry, air bubbles, etc. are rare, it's important that we demonstrate no errors occurred during analysis.
- **Coelution Control: NOTE:** This value is not purity of the compound - the peak is pure compound as it was separated out by the HPLC. This value demonstrates that there is no co-elution occurring during analysis. We receive samples from a multitude of manufacturers and each has their own recipe (stabilizers, solubilizers, fillers, etc) in their process. This measurement ensures that none of these other components interfere with the analysis. In short, this number confirms that the method is working properly and only analyzing the target compound.

### Important Testing Notice

The analytical results detailed herein pertain solely to the presence of the specified compounds in the samples as submitted. These results are generated by our independent partner laboratory. It is acknowledged that all prepared lyophilized peptide products and any other tested material may include stabilizers, solubilizers, fillers, and other excipients and ingredients, which are not tested for unless explicitly noted in the testing agreement and this Certificate of Analysis (COA). The results provided do not imply suitability for any specific use or purpose, and testing is limited to the listed compounds unless noted herein. Clients and other users are advised that the responsibility for determining the applicability of these results for any use rests entirely with them; it is imperative that any users of this information consult with a physician prior to using any peptide or other compound. Peptides or other compounds sold for "research purposes" may not be suitable for human use. Any liability for the provided analytical results is confined to the procedural adherence of our partner laboratory to recognized professional standards during the testing process.

Microbiological analyses are in accordance with USP 71 Sterility (total viable bacteria) using two non-selective broth media. Results reported are provided as-is and relate only to samples tested. A satisfactory result only indicates that no contaminating microorganism has been found in the sample examined under the conditions of the test.

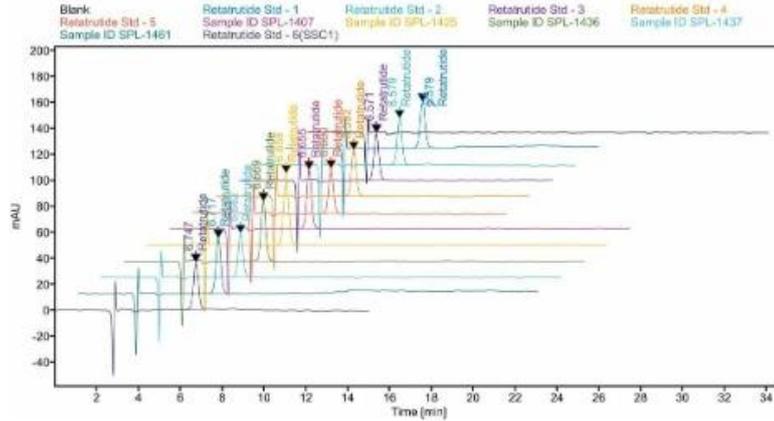
Our sterility testing methods adhere to USP 71 guidelines to maintain compliance with industry standards. However, the samples tested are provided directly by the client and may or may not fully represent the entire production batch due to the limitations in obtaining batch-wide samples. While our testing follows USP 71 procedures, the client is solely responsible for ensuring that their sampling process aligns with USP 71 standard, as we have no visibility or control over the production batch from which the samples are drawn.

## Sample Potency and ID Report



Sequence Name 1004\_hmp\_073025  
 Sequence Acquired Date 2025-07-30 09:25:07-04:00

### Overlay Chromatogram



### Potency and ID Results

Sample Name	Name	RT	Area	Multiplier	Amount	Unit	UV Match Factor	Peak Purity
Retatrutide Std - 1	Retatrutide	6.579	599.2	1;1;1;1;1	9.99	%	1000	1000
Retatrutide Std - 2	Retatrutide	6.579	593.8	1;1;1;1;1	9.90	%	999	1000
Retatrutide Std - 3	Retatrutide	6.571	596.2	1;1;1;1;1	9.94	%	999	1000
Retatrutide Std - 4	Retatrutide	6.592	594.4	1;1;1;1;1	9.91	%	998	1000
Retatrutide Std - 5	Retatrutide	6.600	585.2	1;1;1;1;1	9.75	%	999	1000
Sample ID SPL-1407	Retatrutide	6.655	754.0	10;1;1;1;1	125.67	%	1000	1000
Sample ID SPL-1425	Retatrutide	6.658	957.2	8.33333;1;1;1;1	132.94	%	999	1000
Sample ID SPL-1436	Retatrutide	6.669	764.3	10;1;1;1;1	127.38	%	1000	1000
Sample ID SPL-1437	Retatrutide	6.682	560.8	13.33333;1;1;1;1	124.61	%	998	1000
Sample ID SPL-1461	Retatrutide	6.717	709.3	10;1;1;1;1	118.22	%	999	1000
Retatrutide Std - 6(SSC1)	Retatrutide	6.747	599.6	1;1;1;1;1	9.99	%	1000	1000

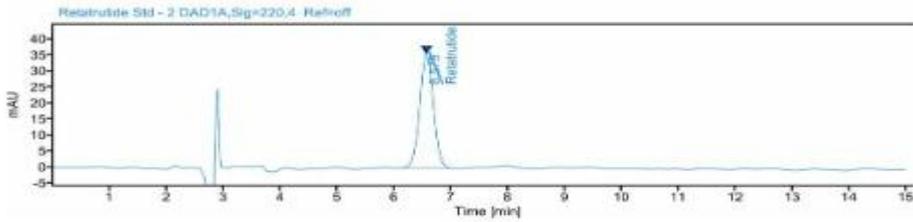
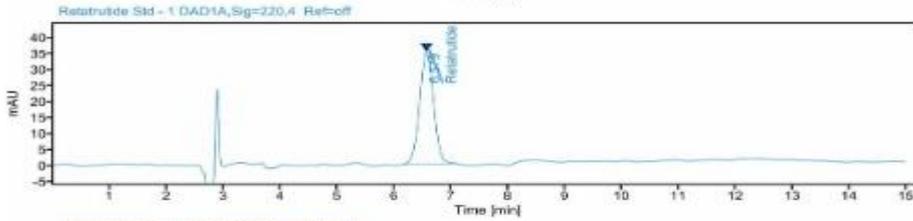
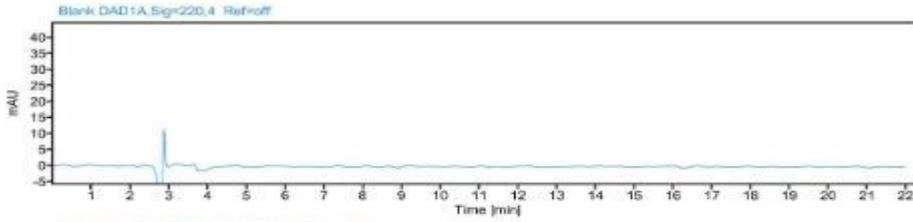
## Purity Results

Sample Name	Name	RT	Area	Peak Area Percent
Retatrutide Std - 1	Retatrutide	6.579	599.2	100.000
Retatrutide Std - 2	Retatrutide	6.579	593.8	100.000
Retatrutide Std - 3	Retatrutide	6.571	596.2	100.000
Retatrutide Std - 4	Retatrutide	6.592	594.4	100.000
Retatrutide Std - 5	Retatrutide	6.600	585.2	100.000
Sample ID SPL-1407		5.568	4.8	0.634
Sample ID SPL-1407		6.109	0.8	0.111
Sample ID SPL-1407	Retatrutide	6.655	754.0	98.998
Sample ID SPL-1407		7.128	2.0	0.256
Sample ID SPL-1425		5.253	2.0	0.205
Sample ID SPL-1425		5.630	1.9	0.201
Sample ID SPL-1425		6.150	2.1	0.218
Sample ID SPL-1425	Retatrutide	6.658	957.2	99.376
Sample ID SPL-1436		5.239	1.1	0.143
Sample ID SPL-1436		5.667	1.8	0.236
Sample ID SPL-1436		5.759	0.6	0.078
Sample ID SPL-1436		6.266	2.0	0.255
Sample ID SPL-1436	Retatrutide	6.669	764.3	99.210
Sample ID SPL-1436		7.599	0.6	0.077
Sample ID SPL-1437		5.300	2.7	0.478
Sample ID SPL-1437		6.151	1.6	0.280
Sample ID SPL-1437	Retatrutide	6.682	560.8	98.767
Sample ID SPL-1437		7.425	2.7	0.475
Sample ID SPL-1461		4.527	1.0	0.136
Sample ID SPL-1461		4.916	1.1	0.157
Sample ID SPL-1461		6.033	2.1	0.289

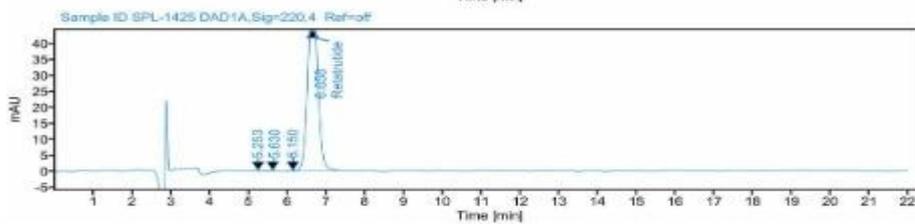
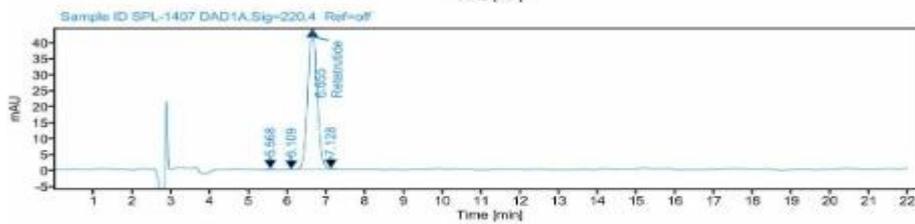
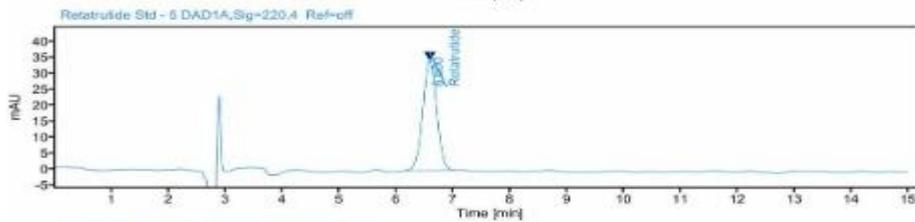
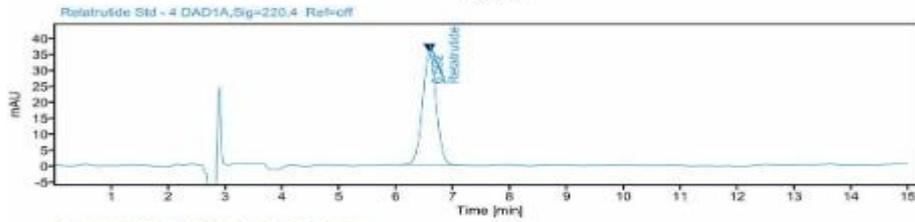
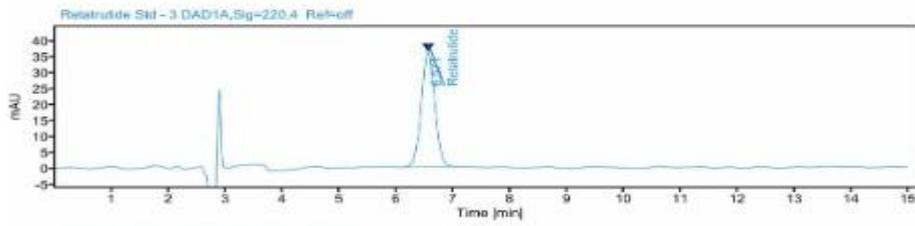
## Sample Potency and ID Report

Sample Name	Name	RT	Area	Peak Area Percent
Sample ID SPL-1461	Retatrutide	6.717	709.3	99.306
Sample ID SPL-1461		7.337	0.8	0.112
Retatrutide Std - 6(SSC1)	Retatrutide	6.747	599.6	100.000

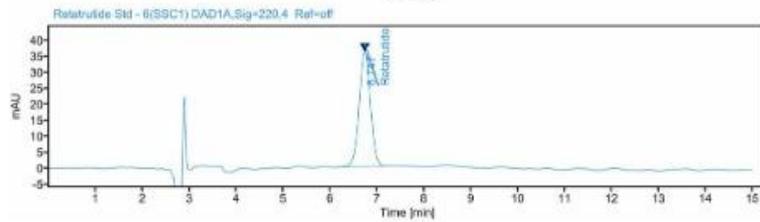
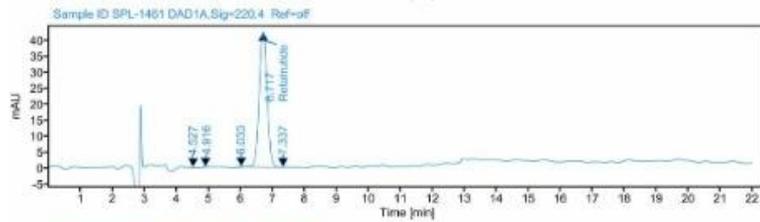
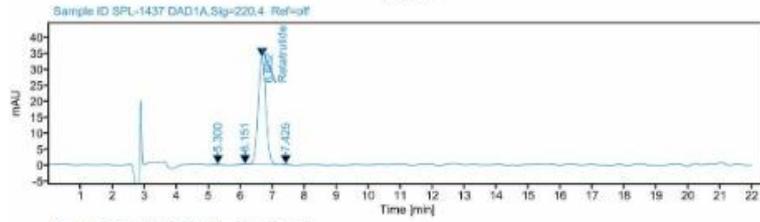
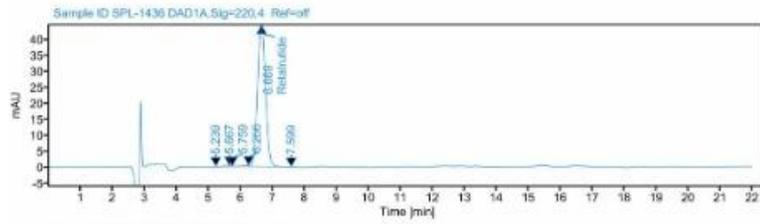
### Individual Chromatograms



## Sample Potency and ID Report



## Sample Potency and ID Report



### Processing Method Parameters

Name	Standard Factor (%)	Void Volume (min):	Injection Volume (uL)
Retatrutide	9.895635	2.645	10
	9.895635		
	9.895635		

## Sample Potency and ID Report

Name	Standard Factor (%)
Retatrutide	9.895635
	9.895635

### Injection Sequence

Sample Name	Vial #	Multiplier	Instrument Method	Instrument Name
Blank	100	1.00000	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Retatrutide Std - 1	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Retatrutide Std - 2	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Retatrutide Std - 3	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Retatrutide Std - 4	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Retatrutide Std - 5	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Sample ID SPL-1407	12	10.00000	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Sample ID SPL-1425	13	8.33333	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Sample ID SPL-1436	14	10.00000	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Sample ID SPL-1437	15	13.33333	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Sample ID SPL-1461	16	10.00000	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Retatrutide Std - 6(SSC1)	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus

### UV Spectra

## Sample Potency and ID Report

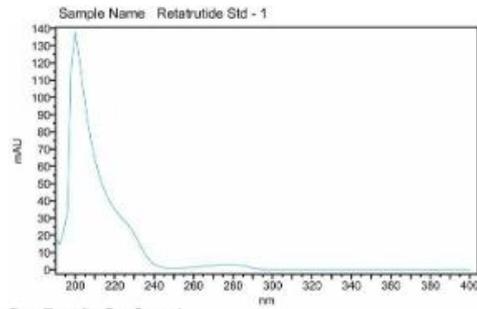
### UV Match Spectra

RT:

6.579

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

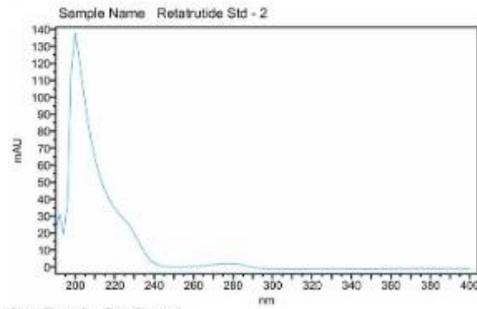
### UV Match Spectra

RT:

6.579

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

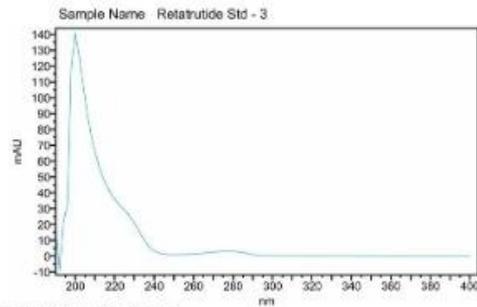
### UV Match Spectra

RT:

6.571

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

Sample Potency and ID Report

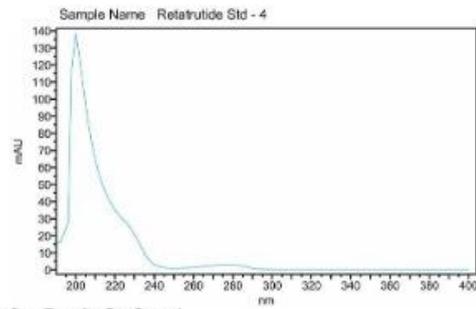
UV Match Spectra

RT:

6.592

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

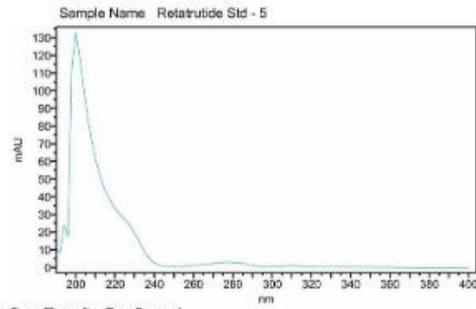
UV Match Spectra

RT:

6.6

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

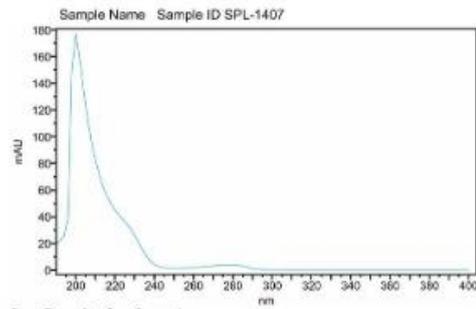
UV Match Spectra

RT:

6.655

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

## Sample Potency and ID Report

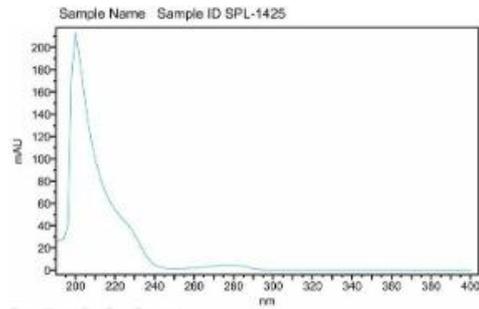
### UV Match Spectra

RT:

6.658

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

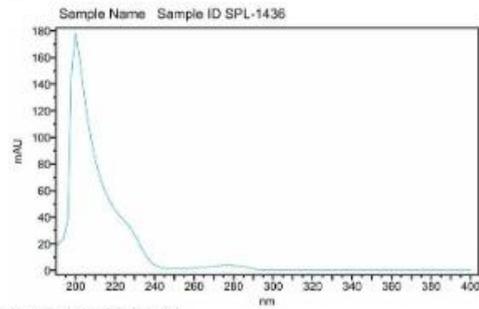
### UV Match Spectra

RT:

6.669

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

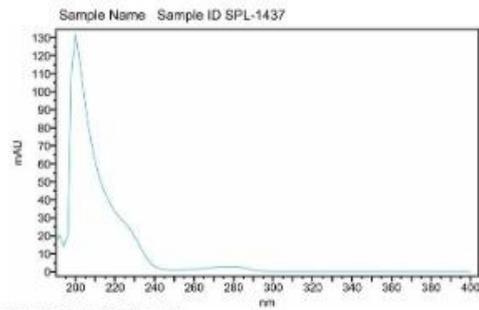
### UV Match Spectra

RT:

6.682

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

# Certificate of Analysis

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Verify at TrustPointeLIMS.com  
 Key=MW4RQ8U0F30

PEPTIDE TEST



Publish Date:	2025-07-31
Client & Sample ID:	Steve Ortega ; RT20 - Copper Cap - 07.17.2025 - Batch 0367
Sample Name & Mfg:	Retatrutide ; 20mg ; 1 Vial ; HK Roids
Photo of Sample:	

## Results

Sample ID	SPL-1407
TM-1004 Retatrutide Assay	25.134 mg
TM-1004 Retatrutide Purity	98.998 %
TM-1004 Retatrutide ID by RT	1.00
TM-1004 Retatrutide ID by Spectral	1000
TM-1004 Coelution	1000
TM-1004 System Suit	0.9 %RSD

Created by

**Ashlee Lust**  
 President

Reviewed by

**Joshua Lust**  
 Managing Director

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Microbiological analyses are in accordance with USP 71 Sterility (total viable bacteria) using two non-selective broth media. Results reported are provided as-is and relate only to samples tested. A satisfactory result only indicates that no contaminating microorganism has been found in the sample examined under the conditions of the test.

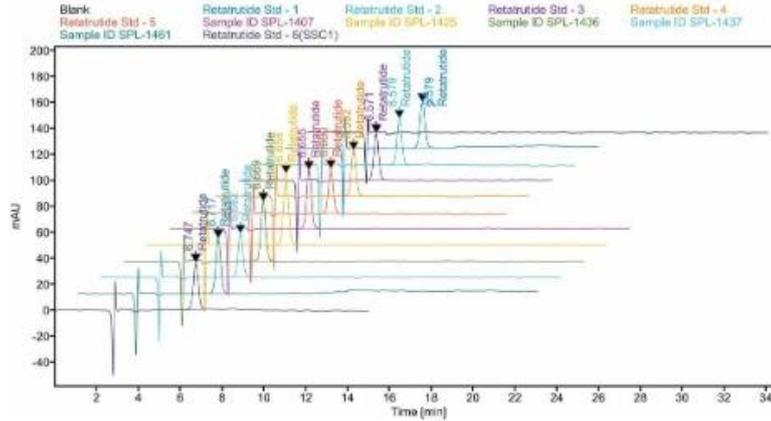
Our sterility testing methods adhere to USP 71 guidelines to maintain compliance with industry standards. However, the samples tested are provided directly by the client and may or may not fully represent the entire production batch due to the limitations in obtaining batch-wide samples. While our testing follows USP 71 procedures, the client is solely responsible for ensuring that their sampling process aligns with USP 71 standard, as we have no visibility or control over the production batch from which the samples are drawn.

## Sample Potency and ID Report



Sequence Name 1004\_hmp\_073025  
 Sequence Acquired Date 2025-07-30 09:25:07:04:00

### Overlay Chromatogram



### Potency and ID Results

Sample Name	Name	RT	Area	Multiplier	Amount	Unit	UV Match Factor	Peak Purity
Retatrutide Std - 1	Retatrutide	6.579	599.2	1;1;1;1;1	9.99	%	1000	1000
Retatrutide Std - 2	Retatrutide	6.579	593.8	1;1;1;1;1	9.90	%	999	1000
Retatrutide Std - 3	Retatrutide	6.571	596.2	1;1;1;1;1	9.94	%	999	1000
Retatrutide Std - 4	Retatrutide	6.592	594.4	1;1;1;1;1	9.91	%	998	1000
Retatrutide Std - 5	Retatrutide	6.600	585.2	1;1;1;1;1	9.75	%	999	1000
Sample ID SPL-1407	Retatrutide	6.655	754.0	10;1;1;1;1	125.67	%	1000	1000
Sample ID SPL-1425	Retatrutide	6.658	957.2	8.33333;1;1;1;1	132.94	%	999	1000
Sample ID SPL-1436	Retatrutide	6.669	764.3	10;1;1;1;1	127.38	%	1000	1000
Sample ID SPL-1437	Retatrutide	6.682	560.8	13.33333;1;1;1;1	124.61	%	998	1000
Sample ID SPL-1461	Retatrutide	6.717	709.3	10;1;1;1;1	118.22	%	999	1000
Retatrutide Std - 6(SSC1)	Retatrutide	6.747	599.6	1;1;1;1;1	9.99	%	1000	1000

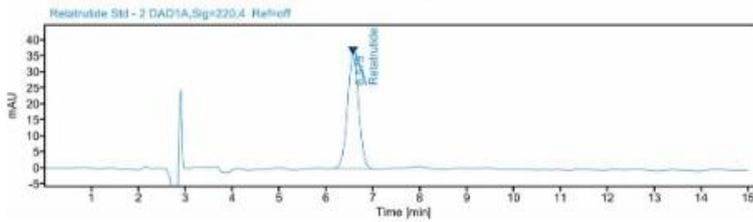
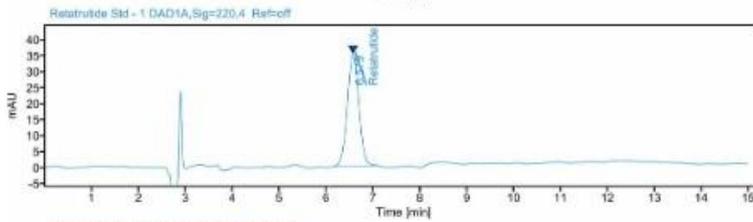
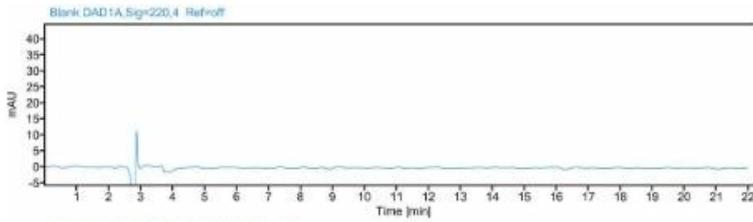
## Purity Results

Sample Name	Name	RT	Area	Peak Area Percent
Retatrutide Std - 1	Retatrutide	6.579	599.2	100.000
Retatrutide Std - 2	Retatrutide	6.579	593.8	100.000
Retatrutide Std - 3	Retatrutide	6.571	596.2	100.000
Retatrutide Std - 4	Retatrutide	6.592	594.4	100.000
Retatrutide Std - 5	Retatrutide	6.600	585.2	100.000
Sample ID SPL-1407		5.568	4.8	0.634
Sample ID SPL-1407		6.109	0.8	0.111
Sample ID SPL-1407	Retatrutide	6.655	754.0	98.998
Sample ID SPL-1407		7.128	2.0	0.256
Sample ID SPL-1425		5.253	2.0	0.205
Sample ID SPL-1425		5.630	1.9	0.201
Sample ID SPL-1425		6.150	2.1	0.218
Sample ID SPL-1425	Retatrutide	6.658	957.2	99.376
Sample ID SPL-1436		5.239	1.1	0.143
Sample ID SPL-1436		5.667	1.8	0.236
Sample ID SPL-1436		5.759	0.6	0.078
Sample ID SPL-1436		6.266	2.0	0.255
Sample ID SPL-1436	Retatrutide	6.669	764.3	99.210
Sample ID SPL-1436		7.599	0.6	0.077
Sample ID SPL-1437		5.300	2.7	0.478
Sample ID SPL-1437		6.151	1.6	0.280
Sample ID SPL-1437	Retatrutide	6.682	560.8	98.767
Sample ID SPL-1437		7.425	2.7	0.475
Sample ID SPL-1461		4.527	1.0	0.136
Sample ID SPL-1461		4.916	1.1	0.157
Sample ID SPL-1461		6.033	2.1	0.289

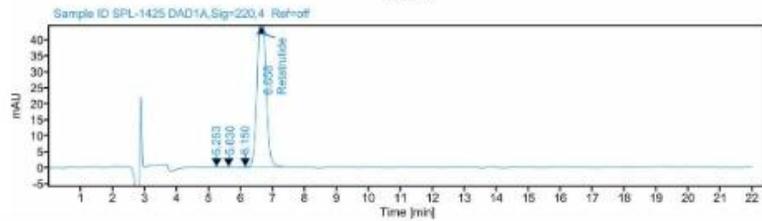
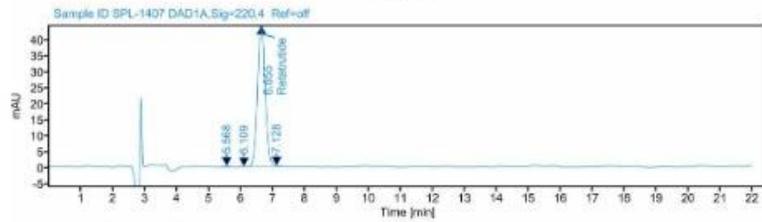
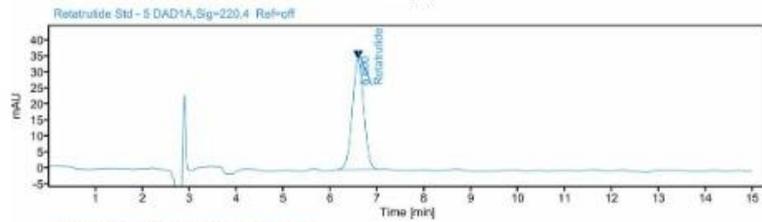
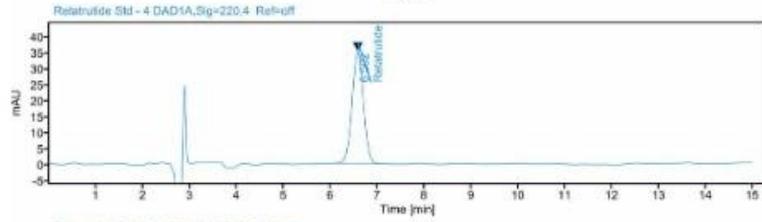
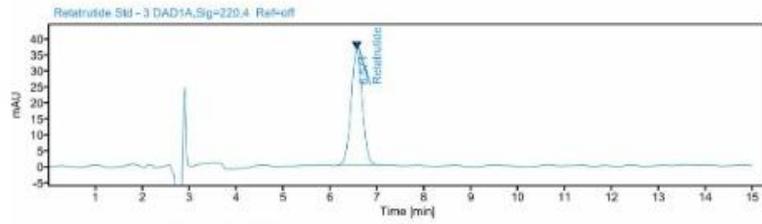
## Sample Potency and ID Report

Sample Name	Name	RT	Area	Peak Area Percent
Sample ID SPL-1461	Retatrutide	6.717	709.3	99.306
Sample ID SPL-1461		7.337	0.8	0.112
Retatrutide Std - 6(SSC1)	Retatrutide	6.747	599.6	100.000

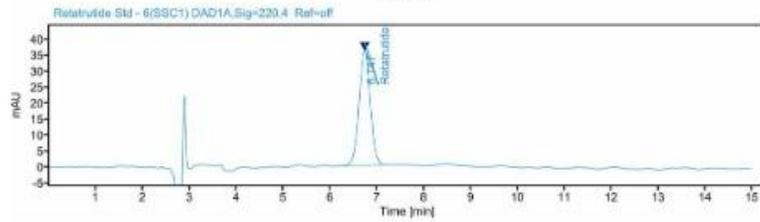
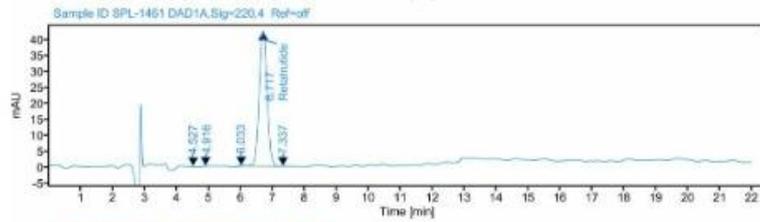
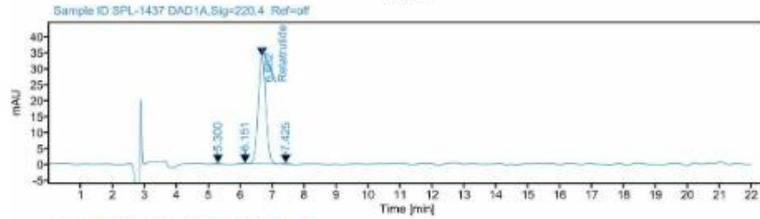
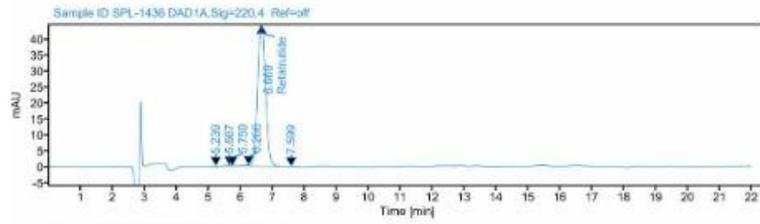
### Individual Chromatograms



# Sample Potency and ID Report



## Sample Potency and ID Report



### Processing Method Parameters

Name	Standard Factor (%)	Void Volume (min):	2.645
Retatrutide	9.895635	Injection Volume (uL)	10
	9.895635		
	9.895635		

## Sample Potency and ID Report



Name	Standard Factor (%)
Retatrutide	9.895635
	9.895635

### Injection Sequence

Sample Name	Vial #	Multiplier	Instrument Method	Instrument Name
Blank	100	1.00000	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Retatrutide Std - 1	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Retatrutide Std - 2	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Retatrutide Std - 3	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Retatrutide Std - 4	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Retatrutide Std - 5	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus
Sample ID SPL-1407	12	10.00000	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Sample ID SPL-1425	13	8.33333	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Sample ID SPL-1436	14	10.00000	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Sample ID SPL-1437	15	13.33333	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Sample ID SPL-1461	16	10.00000	1004_01_NC_LinesAandB_22min_Locked.amx	Romulus
Retatrutide Std - 6(SSC1)	11	1.00000	1004_01_NC_LinesAandB_10min_Locked.amx	Romulus

### UV Spectra

Sample Potency and ID Report

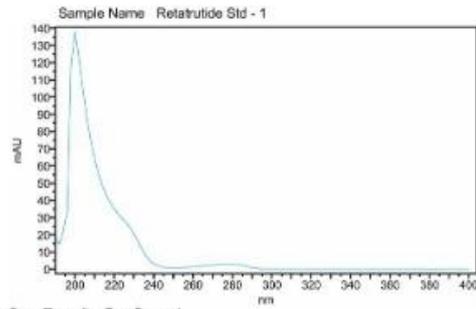
UV Match Spectra

RT:

6.579

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

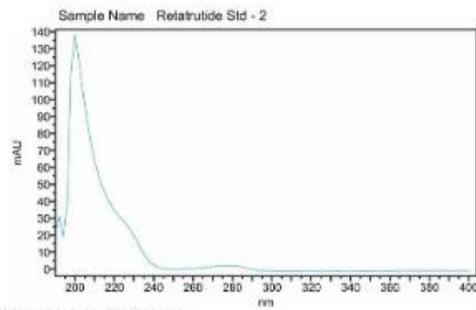
UV Match Spectra

RT:

6.579

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

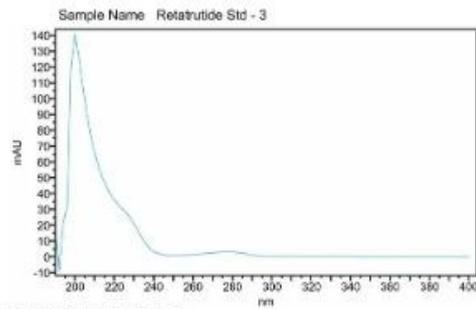
UV Match Spectra

RT:

6.571

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

## Sample Potency and ID Report

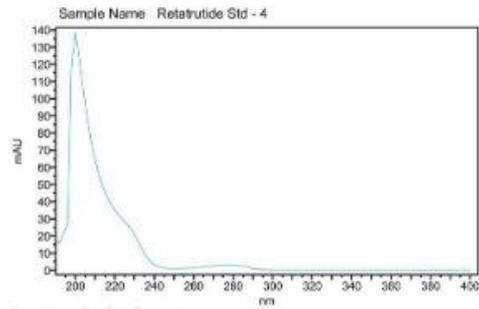
### UV Match Spectra

**RT:**

6.592

**Compound Name:**

Retatrutide



Compound Spectra Confirm Result: Confirmed

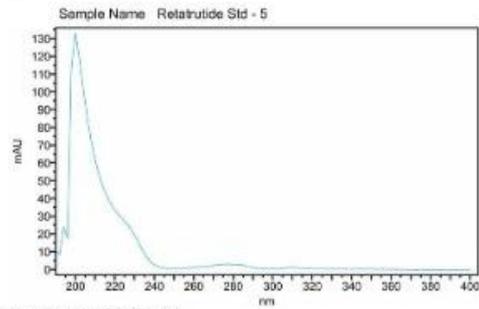
### UV Match Spectra

**RT:**

6.6

**Compound Name:**

Retatrutide



Compound Spectra Confirm Result: Confirmed

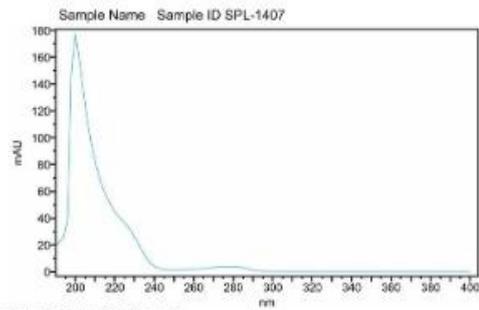
### UV Match Spectra

**RT:**

6.655

**Compound Name:**

Retatrutide



Compound Spectra Confirm Result: Confirmed

## Sample Potency and ID Report

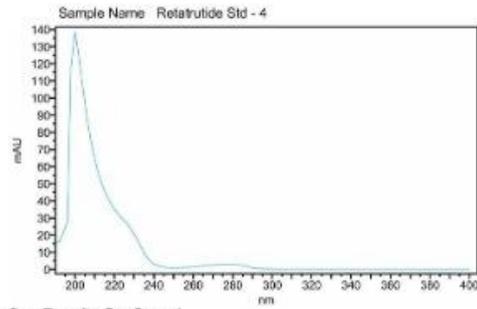
### UV Match Spectra

RT:

6.592

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

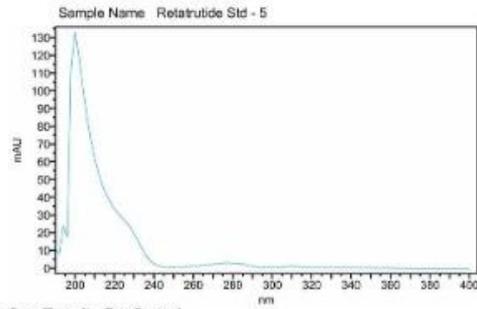
### UV Match Spectra

RT:

6.6

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

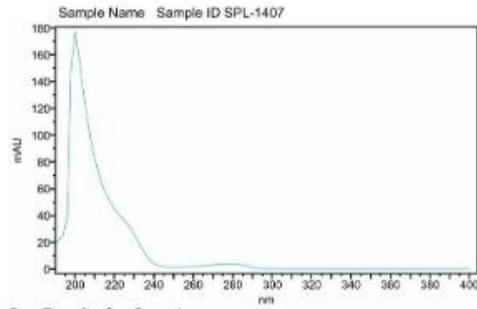
### UV Match Spectra

RT:

6.655

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

## Sample Potency and ID Report

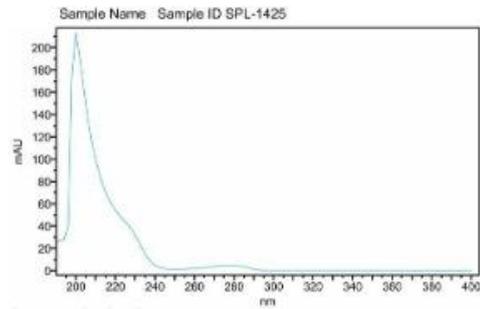
### UV Match Spectra

RT:

6.658

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

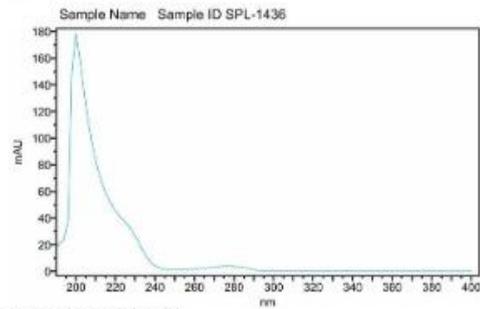
### UV Match Spectra

RT:

6.669

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

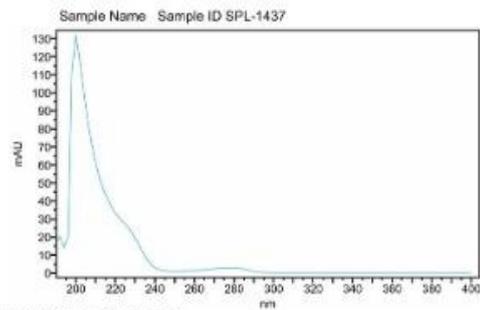
### UV Match Spectra

RT:

6.682

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

## Sample Potency and ID Report

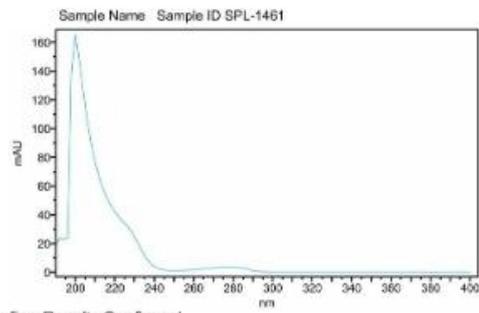
### UV Match Spectra

**RT:**

6.717

**Compound Name:**

Retatrutide



Compound Spectra Confirm Result: Confirmed

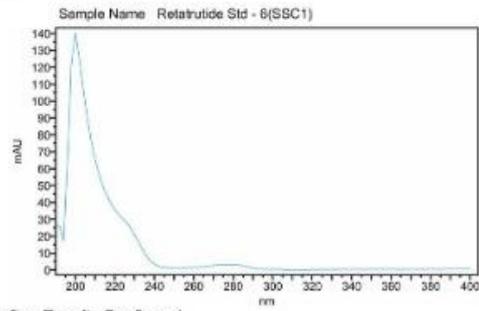
### UV Match Spectra

**RT:**

6.747

**Compound Name:**

Retatrutide



Compound Spectra Confirm Result: Confirmed

## Sample Potency and ID Report

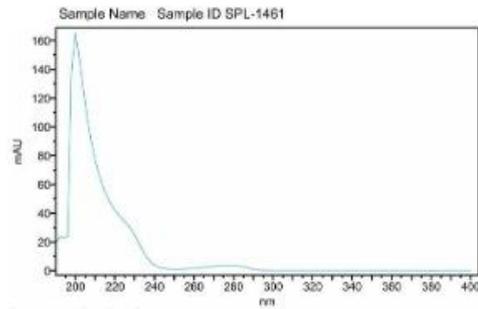
### UV Match Spectra

RT:

6.717

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

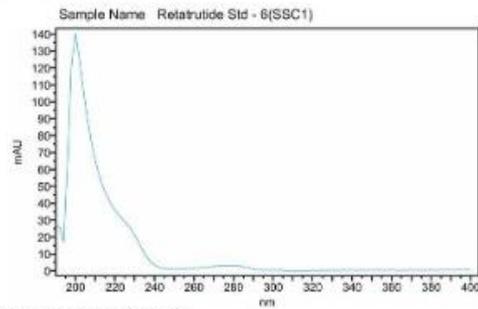
### UV Match Spectra

RT:

6.747

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed