



Project 145464
Lab # 209441
Date Rec'd 7/16/2026
Report Issued 7/28/2026

Certificate of Analysis



Compound MOTS-c
Label Claim 40 mg
Batch/Lot MTS40PLR260709

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	99.8	%	1		HPLC-UV/MS	7/23/2026	
MOTS-c	41.1	mg	.1	102.9	HPLC-UV-MS	7/23/2026	1627580-64-6
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	7/23/2026	

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 Analytical internal quality assurance criteria unless otherwise flagged.
 Methods shown reference current Krause Analytical SOPs
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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145464
Lab # 209439
Date Rec'd 7/16/2026
Report Issued 7/28/2026

Certificate of Analysis



Compound ARA-290
Label Claim 10 mg
Batch/Lot RA10PLR260709

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	>99.9	%	1		HPLC-UV/MS	7/22/2026	
ARA 290 (Cibinetide)	13.7	mg	.1	136.6	HPLC-UV-MS	7/22/2026	1208243-50-8
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	7/22/2026	

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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145464
Lab # 209442
Date Rec'd 7/16/2026
Report Issued 8/3/2026

Certificate of Analysis



Compound KLOW
Label Claim 80 mg
Batch/Lot KLOW80PLR260709

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	99.8	%	1		HPLC-UV/MS	7/22/2026	
BPC-157	9.90	mg	.1	99.0	HPLC-UV-MS	7/22/2026	137525-51-0
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	7/22/2026	
GHK-Cu	53.8	mg	.1	107.6	HPLC-UV-MS	7/22/2026	49557-75-7
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	7/22/2026	
KPV	8.29	mg	.1	82.9	HPLC-UV-MS	7/22/2026	67727-97-3
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	7/22/2026	
Thymosin β 4	12.2	mg	.1	121.9	HPLC-UV-MS	7/22/2026	77591-33-4
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	7/22/2026	

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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145464
Lab # 209438
Date Rec'd 7/16/2026
Report Issued 7/28/2026

Certificate of Analysis



Compound Glutathione
Label Claim 1500 mg
Batch/Lot GT1500PLR26070

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	98.3	%	1		HPLC-UV/MS	7/23/2026	
Glutathione	2,040	mg	.1	135.7	HPLC-UV-MS	7/23/2026	70-18-8
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	7/23/2026	

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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145464
Lab # 209440
Date Rec'd 7/16/2026
Report Issued 7/28/2026

Certificate of Analysis



Compound BPC-157
Label Claim 10 mg
Batch/Lot BC10PLR260709

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	99.1	%	1		HPLC-UV/MS	7/23/2026	
BPC-157	14.6	mg	.1	146.4	HPLC-UV-MS	7/23/2026	137525-51-0
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	7/23/2026	

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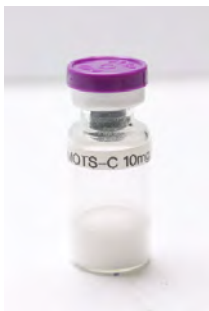
Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145464
Lab # 209443
Date Rec'd 7/16/2026
Report Issued 7/28/2026

Certificate of Analysis



Compound MOTS-c
Label Claim 10 mg
Batch/Lot MTS10PLR260709

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	96.1	%	1		HPLC-UV/MS	7/23/2026	
MOTS-c	10.9	mg	.1	108.6	HPLC-UV-MS	7/23/2026	1627580-64-6
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	7/23/2026	
Microbiology							
Endotoxins	<0.5	EU/mL	.5		USP 85	7/23/2026	
FDA Critical Metals							
Arsenic	ND	µg	0.50		USP 233	7/27/2026	7440-38-2
Cadmium	ND	µg	0.10		USP 233	7/27/2026	7440-43-9
Lead	ND	µg	0.20		USP 233	7/27/2026	7439-92-1
Mercury	ND	µg	0.10		USP 233	7/27/2026	7439-97-6

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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Client:	CupoTea LLC
Accession #:	2607200003
Search Code:	Cupo2607200003
Received:	07/20/2026
Reported:	7/21/2026
Lot:	CU100PLR260629

Sample Summary

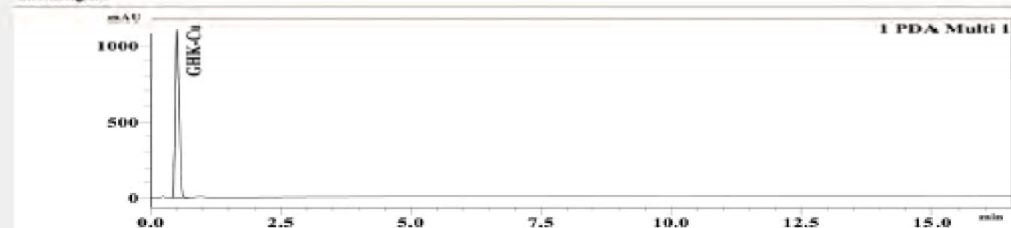
Product:	GHK-CU 100mg	Purity:	99.94%
Identity:	Confirmed	Net Content:	121.30 mg
Appearance:	White Lyophilized Powder		

Analytical Results

Test	Result
Identity (LC-MS)	GHK-Cu
Purity (HPLC-UV)	99.94%
Net Content	121.30 mg

Method: HPLC with UV detection coupled with mass spectrometry (LC-MS).

Chromatogram



Mass Confirmation



Principal Chemist

FreedomDiagnosticsTesting.com

Admin@FreedomDiagnostics.net

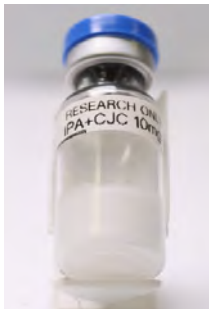
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Project 145226
Lab # 205334
Date Rec'd 5/11/2026
Report Issued 5/27/2026

Certificate of Analysis



Compound Ipamorelin + CJC-1295

Label Claim 20 mg

Batch/Lot CP10PLR260504

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	99.7	%	0.5		HPLC-UV/MS	5/15/2026	
CJC-1295	5.45	mg	0.5	54.5	HPLC-UV-MS	5/15/2026	863288-34-0
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/15/2026	
Ipamorelin	7.00	mg	0.5	70.0	HPLC-UV-MS	5/15/2026	170851-70-4
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/15/2026	

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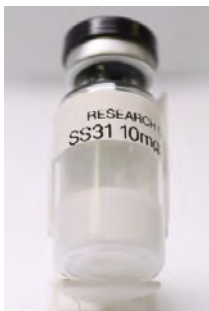
Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145226
Lab # 205335
Date Rec'd 5/11/2026
Report Issued 5/20/2026

Certificate of Analysis



Compound SS-31
Label Claim 10 mg
Batch/Lot SS3110PLR260504

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	>99.9	%	0.5		HPLC-UV/MS	5/12/2026	
SS-31 (Elamipritide)	10.0	mg	0.5	100.3	HPLC-UV-MS	5/12/2026	736992-21-5
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/12/2026	

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 Methods shown reference current Krause Analytical SOPs
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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145226
Lab # 205336
Date Rec'd 5/11/2026
Report Issued 5/20/2026

Certificate of Analysis



Compound MOTS-c
Label Claim 10 mg
Batch/Lot MTS10PLR260504

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	98.7	%	0.5		HPLC-UV/MS	5/13/2026	
MOTS-c	10.2	mg	0.5	102.1	HPLC-UV-MS	5/13/2026	1627580-64-6
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/13/2026	

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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145477
Lab # 209651
Date Rec'd 7/21/2026
Report Issued 7/28/2026

Compound Melatonan I

Label Claim 10 mg

Batch/Lot MT1YTC260715

Certificate of Analysis

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	>99.9	%	1		HPLC-UV/MS	7/22/2026	
Melanotan I	11.5	mg	.1	114.8	HPLC-UV-MS	7/22/2026	75921-69-6
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	7/22/2026	

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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145477
Lab # 209650
Date Rec'd 7/21/2026
Report Issued 7/28/2026

Compound Kisspeptin-10

Label Claim 5 mg

Batch/Lot KS5YTC260715

Certificate of Analysis

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	99.3	%	1		HPLC-UV/MS	7/22/2026	
Kisspeptin	5.00	mg	.1	99.9	HPLC-UV-MS	7/22/2026	374683-24-6
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	7/22/2026	

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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145477
Lab # 209652
Date Rec'd 7/21/2026
Report Issued 7/28/2026

Compound Pinealon

Label Claim 10 mg

Batch/Lot PI10YTC260715

Certificate of Analysis

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	98.6	%	1		HPLC-UV/MS	7/23/2026	
Pinealon	12.4	mg	.1	124.3	HPLC-UV-MS	7/23/2026	175175-23-2
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	7/23/2026	

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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145208
Lab # 205045
Date Rec'd 4/28/2026
Report Issued 5/19/2026

Certificate of Analysis



Compound KLOW
Label Claim 80 mg
Batch/Lot KLOW80PLR2604

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	99.3	%	0.5		HPLC-UV/MS	5/9/2026	
BPC-157	9.43	mg	0.5	94.3	HPLC-UV-MS	5/9/2026	137525-51-0
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/9/2026	
GHK-Cu	55.4	mg	0.5	110.7	HPLC-UV-MS	5/9/2026	49557-75-7
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/9/2026	
KPV	10.4	mg	0.5	104.3	HPLC-UV-MS	5/9/2026	112965-21-6
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/9/2026	
Thymosin β 4	11.9	mg	0.5	119.1	HPLC-UV-MS	5/9/2026	77591-33-4
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/9/2026	

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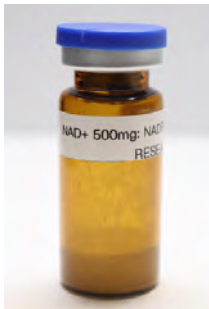
Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145177
Lab # 204064
Date Rec'd 4/10/2026
Report Issued 5/5/2026

Certificate of Analysis



Compound NAD+
Label Claim 500 mg
Batch/Lot NAD5PLR260330

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	98.8	%	0.5		HPLC-UV/MS	4/15/2026	
NAD+	580	mg	0.5	115.9	HPLC-UV-MS	4/15/2026	53-84-9
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	4/15/2026	

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Respectfully submitted,

Mark C. Krause
Laboratory Director



Project 145208
Lab # 205046
Date Rec'd 4/28/2026
Report Issued 5/19/2026

Certificate of Analysis



Compound GLOW
Label Claim 70 mg
Batch/Lot GLOW70PLR2604

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	99.3	%	0.5		HPLC-UV/MS	5/9/2026	
BPC-157	9.07	mg	0.5	90.7	HPLC-UV-MS	5/9/2026	137525-51-0
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/9/2026	
GHK-Cu	45.5	mg	0.5	91.1	HPLC-UV-MS	5/9/2026	49557-75-7
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/9/2026	
Thymosin β 4	11.3	mg	0.5	112.9	HPLC-UV-MS	5/9/2026	77591-33-4
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/9/2026	

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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145208
Lab # 205047
Date Rec'd 4/28/2026
Report Issued 5/13/2026

Certificate of Analysis



Compound MOTS-c
Label Claim 10 mg
Batch/Lot MTS10PLR260424

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	99.1	%	0.5		HPLC-UV/MS	5/7/2026	
MOTS-c	10.2	mg	0.5	101.9	HPLC-UV-MS	5/7/2026	1627580-64-6
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/7/2026	

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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145226
Lab # 205333
Date Rec'd 5/11/2026
Report Issued 5/20/2026

Certificate of Analysis



Compound Melanotan II
Label Claim 10 mg
Batch/Lot MT2PLR260504

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	99.5	%	0.5		HPLC-UV/MS	5/13/2026	
Melanotan II	8.65	mg	0.5	86.5	HPLC-UV-MS	5/13/2026	121062-08-6
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/13/2026	

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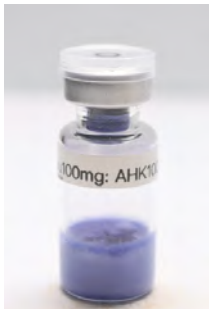
Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145177
Lab # 204061
Date Rec'd 4/10/2026
Report Issued 5/5/2026

Certificate of Analysis



Compound AHK-Cu
Label Claim 100 mg
Batch/Lot AHK100PLR26033

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	>99.9	%	0.5		HPLC-UV/MS	4/15/2026	
AHK-Cu	106	mg	0.5	106.4	HPLC-UV-MS	4/15/2026	126828-32-8
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	4/15/2026	682809-81-0

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Respectfully submitted,

Mark C. Krause
Laboratory Director



Project 145177
Lab # 204062
Date Rec'd 4/10/2026
Report Issued 5/5/2026

Certificate of Analysis



Compound GHK-Cu
Label Claim 100 mg
Batch/Lot GHK100PLR26033

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	>99.9	%	0.5		HPLC-UV/MS	4/15/2026	
GHK-Cu	84.4	mg	0.5	84.4	HPLC-UV-MS	4/15/2026	49557-75-7
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	4/15/2026	

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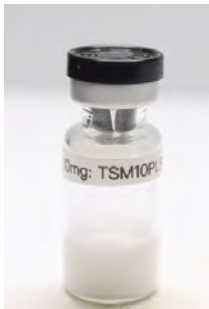
Respectfully submitted,

Mark C. Krause
Laboratory Director



Project 145177
Lab # 204063
Date Rec'd 4/10/2026
Report Issued 5/5/2026

Certificate of Analysis



Compound Tesamorelin
Label Claim 10 mg
Batch/Lot TSM10PLR260330

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	98.3	%	0.5		HPLC-UV/MS	4/17/2026	
Tesamorelin	10.4	mg	0.5	103.6	HPLC-UV-MS	4/17/2026	218949-48-5
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	4/17/2026	

The data presented are from the analysis of the sample shown and meet Krause Analytical internal quality assurance criteria unless otherwise flagged.
Methods shown reference current Krause Analytical SOPs
ND - Not detected LOQ - limit of quantification
All values reported on a per vial basis unless otherwise noted
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Respectfully submitted,

Mark C. Krause
Laboratory Director



Project 145208
Lab # 205042
Date Rec'd 4/28/2026
Report Issued 5/13/2026

Certificate of Analysis



Compound Benzyl Alcohol water

Label Claim

Batch/Lot BAC10PLR260424

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Microbiology							
Endotoxins	<0.5	EU/mL	N	0.5	USP 85	4/30/2026	
Sterility, 14 day	Sterile	CFU/mL			USP 71	4/28/2026	

The data presented are from the analysis of the sample shown and meet Krause Analytical internal quality assurance criteria unless otherwise flagged.
Methods shown reference current Krause Analytical SOPs
ND - Not detected LOQ - limit of quantification
All values reported on a per vial basis unless otherwise noted
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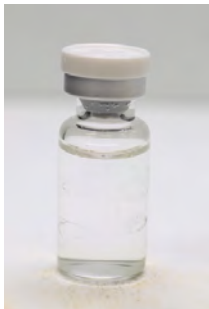
Respectfully submitted,

Mark C. Krause
Laboratory Director



Project 145208
Lab # 205043
Date Rec'd 4/28/2026
Report Issued 5/13/2026

Certificate of Analysis



Compound Benzyl Alcohol water

Label Claim

Batch/Lot BAC3PLR260424

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Microbiology							
Endotoxins	<0.5	EU/mL	N	0.5	USP 85	4/30/2026	
Sterility, 14 day	Sterile	CFU/mL			USP 71	4/28/2026	

The data presented are from the analysis of the sample shown and meet Krause Analytical internal quality assurance criteria unless otherwise flagged.
Methods shown reference current Krause Analytical SOPs
ND - Not detected LOQ - limit of quantification
All values reported on a per vial basis unless otherwise noted
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Respectfully submitted,

Mark C. Krause
Laboratory Director



Project 145208
Lab # 205044
Date Rec'd 4/28/2026
Report Issued 5/8/2026

Certificate of Analysis



Compound Semaglutide
Label Claim 5 mg
Batch/Lot SM5PLR260424

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	>99.9	%	0.5		HPLC-UV/MS	5/6/2026	
Semaglutide	5.19	mg	0.5	103.8	HPLC-UV-MS	5/6/2026	910463-68-2
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	5/6/2026	

The data presented are from the analysis of the sample shown and meet Krause
 Analytical internal quality assurance criteria unless otherwise flagged.
 Methods shown reference current Krause Analytical SOPs
 ND - Not detected LOQ - limit of quantification
 All values reported on a per vial basis unless otherwise noted
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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145168
Lab # 203766
Date Rec'd 4/7/2026
Report Issued 4/21/2026

Certificate of Analysis



Compound Tirzepatide
Label Claim 10 mg
Batch/Lot TZ20PLR260401

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	>99.9	%	0.5		HPLC-UV/MS	4/11/2026	
Tirzepatide	19.4	mg	0.5	194.1	HPLC-UV-MS	4/11/2026	2023788-19-2
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	4/11/2026	

The data presented are from the analysis of the sample shown and meet Krause
 Analytical internal quality assurance criteria unless otherwise flagged.
 Methods shown reference current Krause Analytical SOPs
 ND - Not detected LOQ - limit of quantification
 All values reported on a per vial basis unless otherwise noted
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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145168
Lab # 203767
Date Rec'd 4/7/2026
Report Issued 4/21/2026

Certificate of Analysis



Compound AOD-9604
Label Claim 5 mg
Batch/Lot AOD5PLR260401

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	>99.9	%	0.5		HPLC-UV/MS	4/11/2026	
AOD-9604	5.24	mg	0.5	104.7	HPLC-UV-MS	4/11/2026	221231-10-3
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	4/11/2026	

The data presented are from the analysis of the sample shown and meet Krause
 Analytical internal quality assurance criteria unless otherwise flagged.
 Methods shown reference current Krause Analytical SOPs
 ND - Not detected LOQ - limit of quantification
 All values reported on a per vial basis unless otherwise noted
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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145168
Lab # 203768
Date Rec'd 4/7/2026
Report Issued 4/22/2026

Certificate of Analysis



Compound KPV
Label Claim 10 mg
Batch/Lot KPV10PLR260401

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	>99.9	%	0.5		HPLC-UV/MS	4/13/2026	
KPV	10.5	mg	0.5	105.3	HPLC-UV-MS	4/13/2026	112965-21-6
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	4/13/2026	

The data presented are from the analysis of the sample shown and meet Krause
 Analytical internal quality assurance criteria unless otherwise flagged.
 Methods shown reference current Krause Analytical SOPs
 ND - Not detected LOQ - limit of quantification
 All values reported on a per vial basis unless otherwise noted
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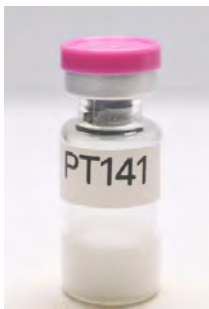
Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145168
Lab # 203769
Date Rec'd 4/7/2026
Report Issued 4/21/2026

Certificate of Analysis



Compound PT-141
Label Claim 10 mg
Batch/Lot PT10PLR260401

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	>99.9	%	0.5		HPLC-UV/MS	4/11/2026	
PT-141 (Bremelanotide)	10.4	mg	0.5	103.5	HPLC-UV-MS	4/11/2026	1607799-13-2
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	4/11/2026	

The data presented are from the analysis of the sample shown and meet Krause
 Analytical internal quality assurance criteria unless otherwise flagged.
 Methods shown reference current Krause Analytical SOPs
 ND - Not detected LOQ - limit of quantification
 All values reported on a per vial basis unless otherwise noted
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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145168
Lab # 203770
Date Rec'd 4/7/2026
Report Issued 4/22/2026

Certificate of Analysis



Compound Selank
Label Claim 10 mg
Batch/Lot SK10PLR260401

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	97.7	%	0.5		HPLC-UV/MS	4/13/2026	
Selank	9.42	mg	0.5	94.2	HPLC-UV-MS	4/13/2026	129954-34-3
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	4/13/2026	129954-34-3

The data presented are from the analysis of the sample shown and meet Krause
 Analytical internal quality assurance criteria unless otherwise flagged.
 Methods shown reference current Krause Analytical SOPs
 ND - Not detected LOQ - limit of quantification
 All values reported on a per vial basis unless otherwise noted
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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145168
Lab # 203771
Date Rec'd 4/7/2026
Report Issued 4/22/2026

Certificate of Analysis



Compound Semax
Label Claim 10 mg
Batch/Lot SM10PLR260401

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	97.4	%	0.5		HPLC-UV/MS	4/13/2026	
Semax	9.86	mg	0.5	98.6	HPLC-UV-MS	4/13/2026	80714-61-0
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	4/13/2026	80714-61-0

The data presented are from the analysis of the sample shown and meet Krause
 Analytical internal quality assurance criteria unless otherwise flagged.
 Methods shown reference current Krause Analytical SOPs
 ND - Not detected LOQ - limit of quantification
 All values reported on a per vial basis unless otherwise noted
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Respectfully submitted,

Mark C. Krause
 Laboratory Director



Project 145027
Lab # 200498
Date Rec'd 1/28/2026
Report Issued 2/6/2026

Compound TB-500

Label Claim 10 mg

Batch/Lot TB10PLR251222

Certificate of Analysis



<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>LOQ</u>	<u>% of Label</u>	<u>Method</u>	<u>Date</u>	<u>CAS</u>
Peptide Analysis							
Chromatographic purity	99.12	%	.5		HPLC-UV/MS	2/1/2026	
Thymosin β 4	10.1	mg	.5	101.2	HPLC-UV-MS	2/1/2026	77591-33-4
Thymosin β 4	ID Confirmed				HPLC-UV-MS	2/1/2026	

The data presented are from the analysis of the sample shown and meet Krause Analytical internal quality assurance criteria unless otherwise flagged.
 Methods shown reference current Krause Analytical SOPs
 ND - Not detected LOQ - limit of quantification
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Respectfully submitted,

Mark C. Krause
 Laboratory Director



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Product	SLU-PP-332 5mg
Net Peptide Content	2.66 mg
Identity	SLU-PP-332

Certificate of Analysis

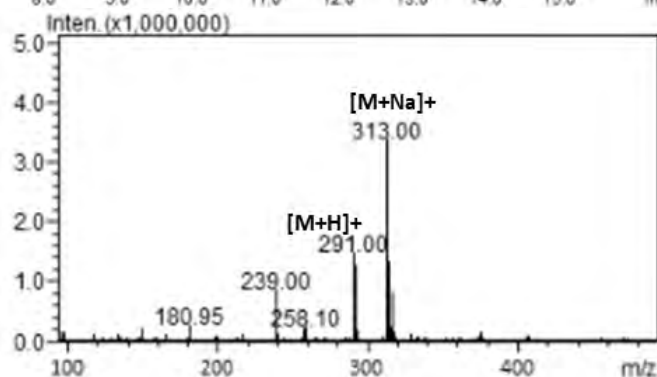
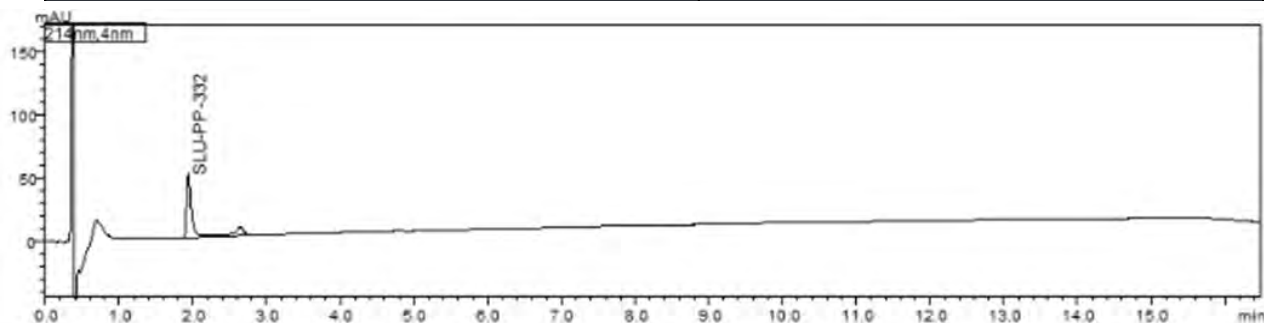
Accession Number	2511240215
Client	Cupofta LLC
Search Code	Cupo2511240215

Received Date:	11/24/2025
Reported Date:	11/27/2025

Lot	N/A
Purity	99.611%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
SLU-PP-332	99.611%



Stephen Schmidt

Stephen Schmidt

Principal Chemist

COA: 2511240215

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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Contact at: Admin@FreedomDiagnostics.net



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Product	NAD+ 500mg
Net Peptide Content	564.48 mg
Identity	NAD+

Certificate of Analysis

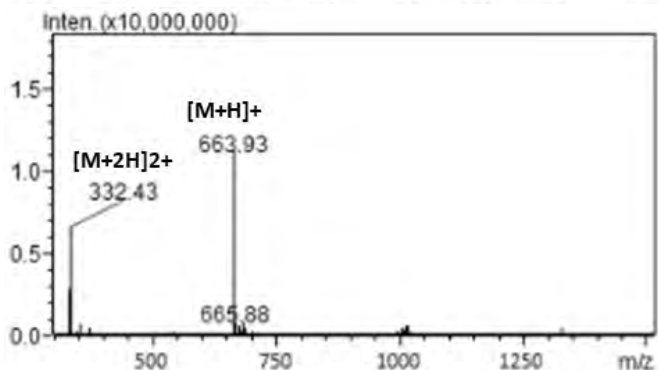
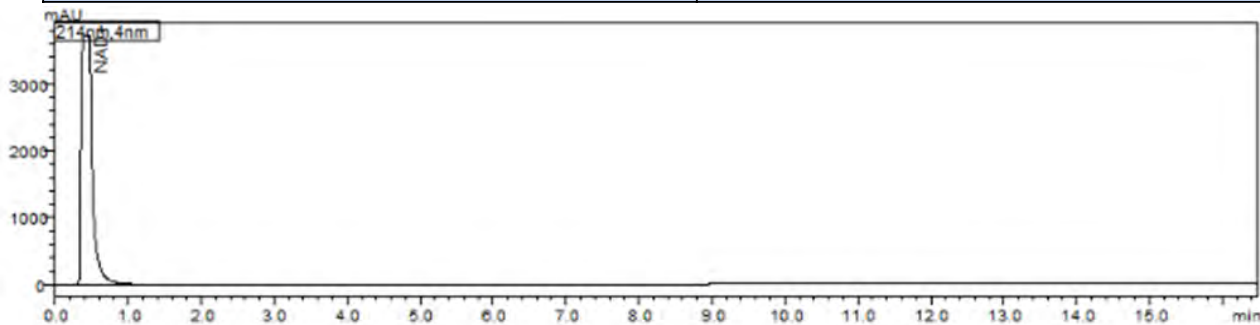
Accession Number	2511240211
Client	Cupoftea LLC
Search Code	Cupo2511240211

Received Date:	11/24/2025
Reported Date:	11/27/2025

Lot	N/A
Purity	99.832%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
NAD+	99.832%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2511240211

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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Contact at: Admin@FreedomDiagnostics.net



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Product	Ipamorelin 10mg
Net Peptide Content	13.10 mg
Identity	Ipamorelin

Certificate of Analysis

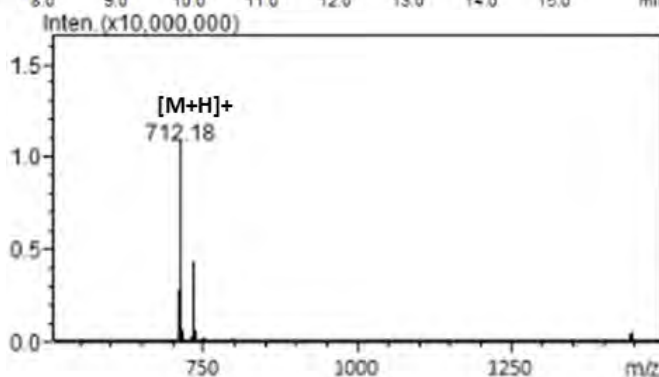
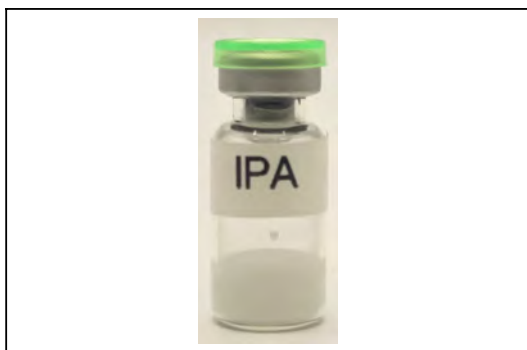
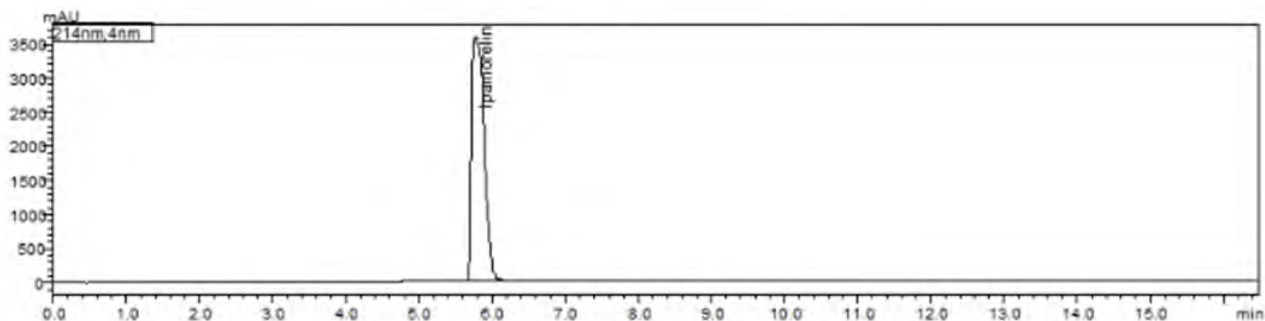
Accession Number	2511240212
Client	Cupofta LLC
Search Code	Cupo2511240212

Received Date:	11/24/2025
Reported Date:	11/27/2025

Lot	N/A
Purity	99.858%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
Ipamorelin	99.858%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2511240212

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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Contact at: Admin@FreedomDiagnostics.net



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Searchable via: FreedomDiagnosticsTesting.com

Product	5-Amino -1mq 50mg
Net Peptide Content	32.27 mg
Identity	5-Amino 1MQ

Certificate of Analysis

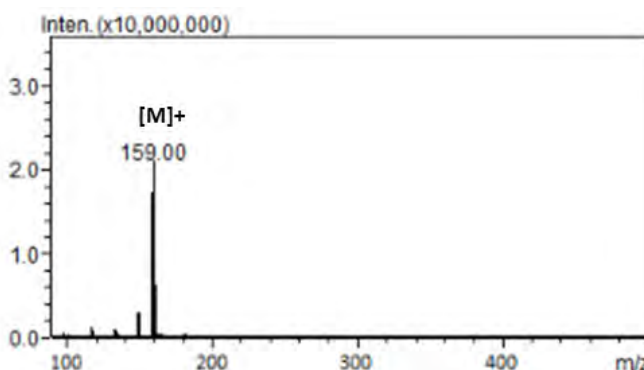
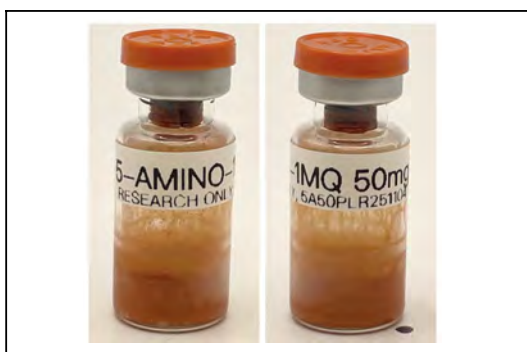
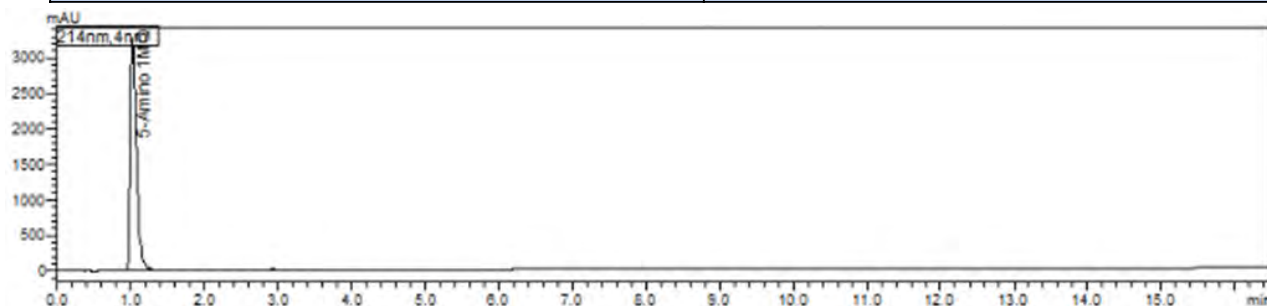
Accession Number	2511240240
Client	Purelabsresearch.com
Search Code	Pure2511240240

Received Date:	11/24/2025
Reported Date:	11/27/2025

Lot	5A50PLR251104
Purity	99.516%
Appearance	Orange Lyophilized Powder

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

Mass Identification	Result
5-Amino 1MQ	99.516%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2511240240

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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Contact at: Admin@FreedomDiagnostics.net

TEST REPORT



E-mail: info@janoshnik.com
Web: www.janoshnik.com

Task Number #93234

Testing ordered > 04 DEC '25

Sample received > 11 DEC '25

Client HoyleAminos.net

Sample 5-Amino-1MQ 50mg

Manufacturer Unknown

Batch Unknown

Sample description >

See picture or pictures attached.

Tests requested >

Assessment of a peptide vial or vials.

Results >



5-Amino-1-methylquinolinium	43.44 mg

Comments >

Analysis conducted > 12 DEC 2025

Signature >

A handwritten signature in black ink, appearing to be 'Janoshnik' or similar, written over a light blue horizontal line.

Verify this test at www.janoshnik.com/verify/ with the following unique key

52ISCD222A7W



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Product	GHK-Cu 100mg
Net Peptide Content	99.16 mg
Identity	GHK-Cu

Certificate of Analysis

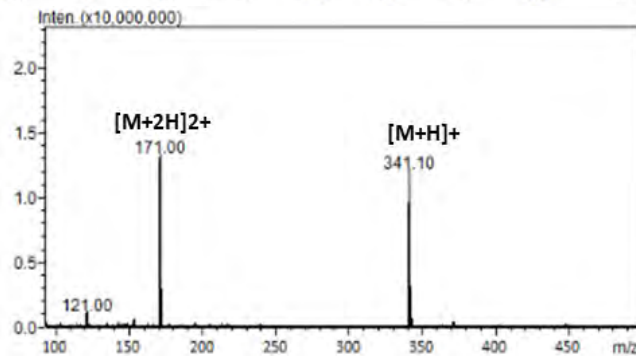
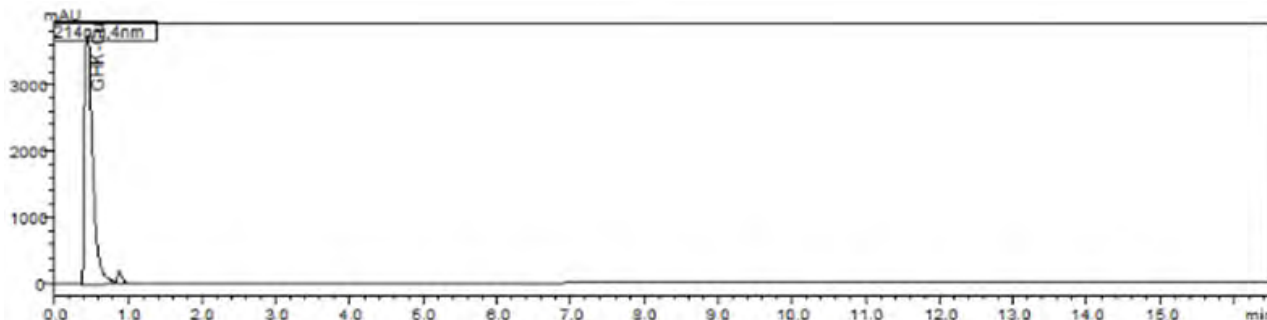
Accession Number	2510060015
Client	Cupofta LLC
Search Code	Cupo2510060015

Received Date:	10/6/2025
Reported Date:	10/7/2025

Lot	N/A
Purity	99.945%
Appearance	Blue Lyophilized Powder

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

Mass Identification	Result
GHK-Cu	99.945%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2510060015

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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Contact at: Admin@FreedomDiagnostics.net



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Searchable via: FreedomDiagnosticsTesting.com

Product	5-Amino -1mq 50mg
Net Peptide Content	32.27 mg
Identity	5-Amino 1MQ

Certificate of Analysis

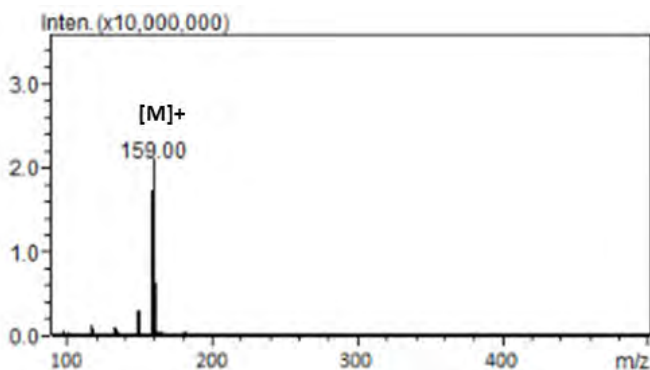
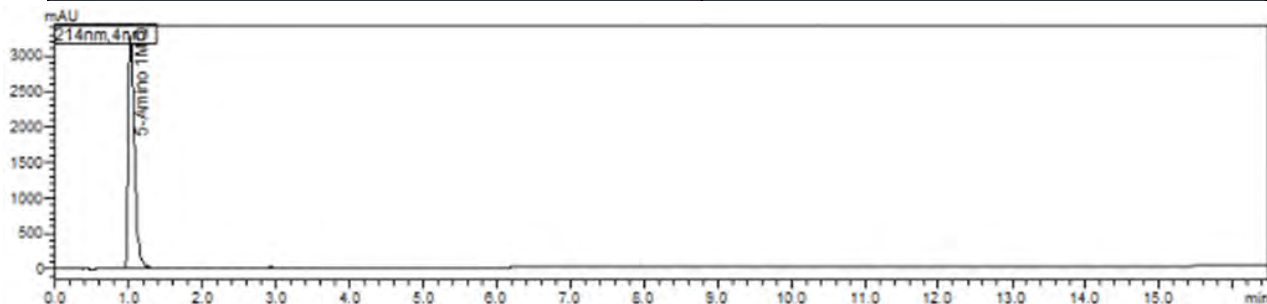
Accession Number	2511240240
Client	Cupoftea LLC
Search Code	Cupo2511240240

Received Date:	11/24/2025
Reported Date:	11/27/2025

Lot	5A50PLR251104
Purity	99.516%
Appearance	Orange Lyophilized Powder

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

Mass Identification	Result
5-Amino 1MQ	99.516%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2511240240

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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Contact at: Admin@FreedomDiagnostics.net



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Searchable via: FreedomDiagnosticsTesting.com

Product	Tesamorelin 10mg
Net Peptide Content	10.08 mg
Identity	Tesamorelin

Certificate of Analysis

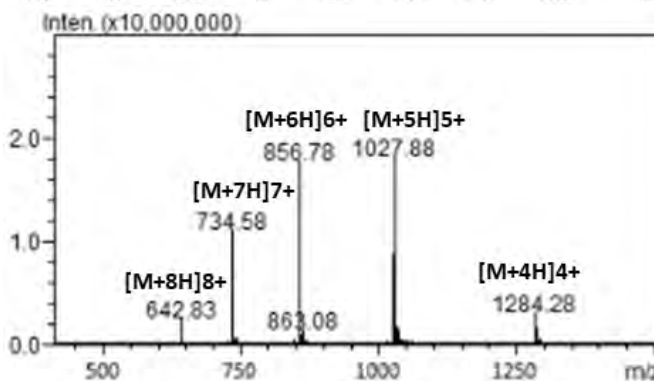
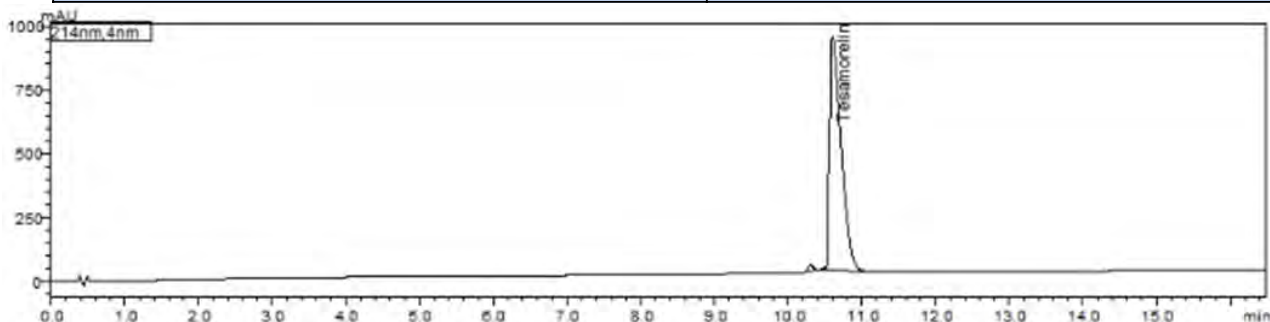
Accession Number	2511240214
Client	Cupoftea LLC
Search Code	Cupo2511240214

Received Date:	11/24/2025
Reported Date:	11/27/2025

Lot	N/A
Purity	98.713%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
Tesamorelin	98.713%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2511240214

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.

Searchable via: FreedomDiagnosticsTesting.com

Contact at: Admin@FreedomDiagnostics.net



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Product	DSIP 15mg
Net Peptide Content	7.04 mg
Identity	DSIP

Certificate of Analysis

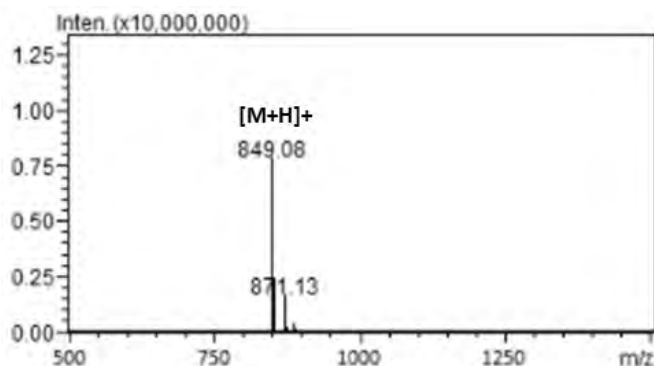
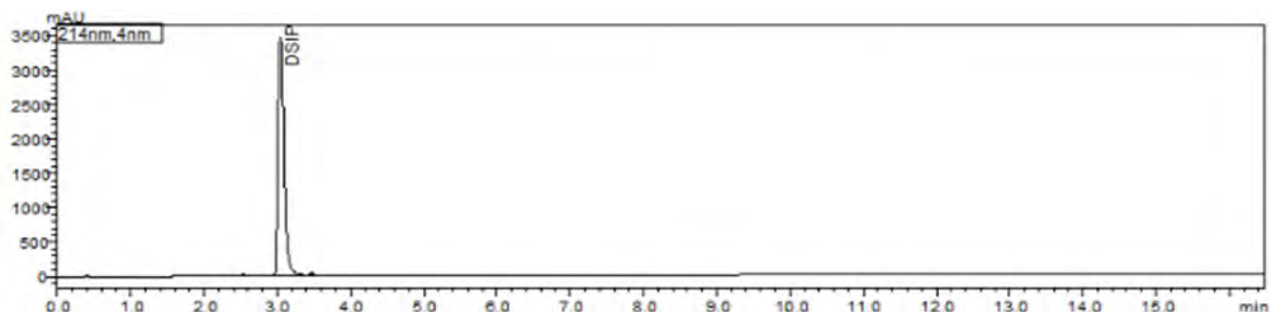
Accession Number	2511240216
Client	Cupoftea LLC
Search Code	Cupo2511240216

Received Date:	11/24/2025
Reported Date:	11/27/2025

Lot	N/A
Purity	99.162%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
DSIP	99.162%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2511240216

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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Contact at: Admin@FreedomDiagnostics.net



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Product	IGF-1LR3 .1mg
Net Peptide Content	0.087 mg
Identity	IGF-LR3

Certificate of Analysis

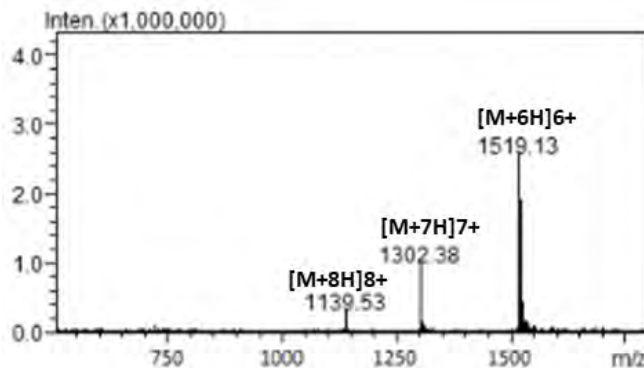
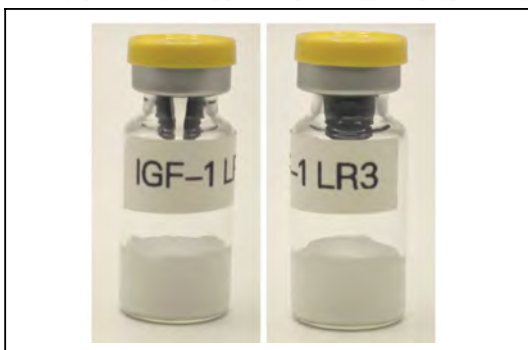
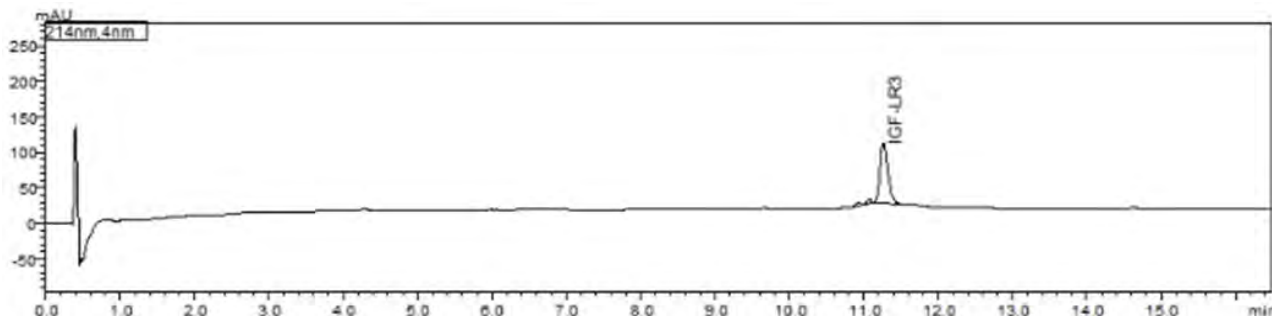
Accession Number	2511240213
Client	Cupoftea LLC
Search Code	Cupo2511240213

Received Date:	11/24/2025
Reported Date:	11/27/2025

Lot	N/A
Purity	92.887%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
IGF-LR3	92.887%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2511240213

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	SS-31 10mg
Net Peptide Content	10.99 mg
Identity	SS-31

Certificate of Analysis

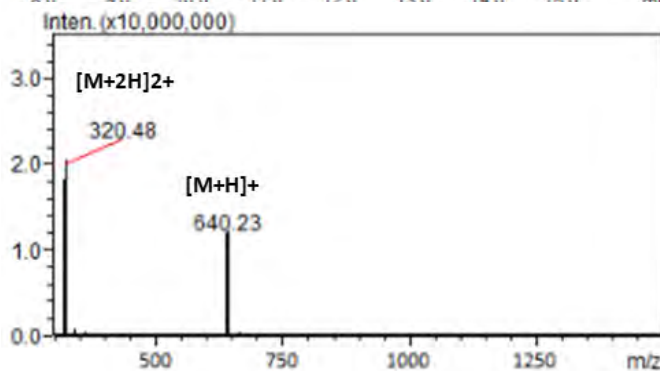
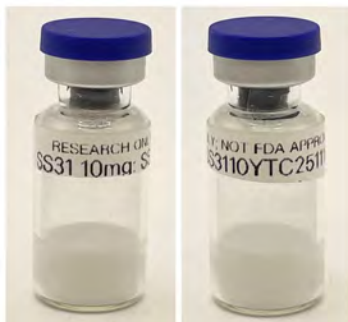
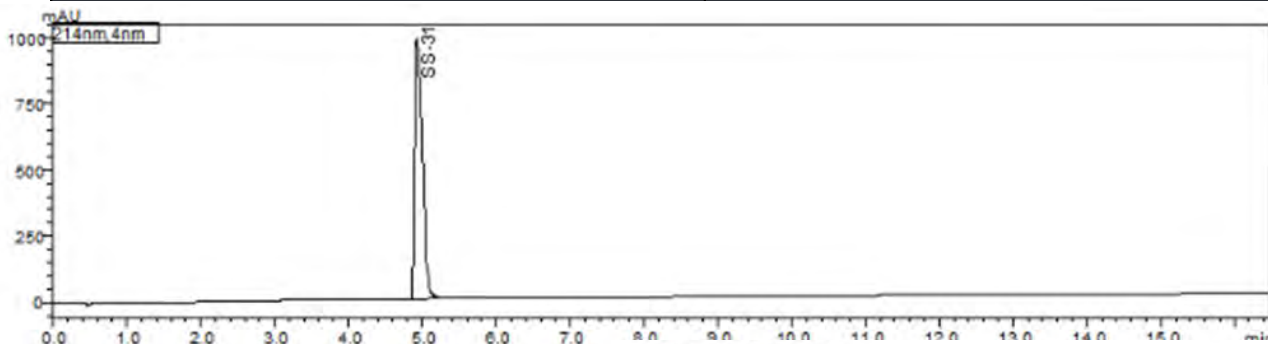
Accession Number	2511240241
Client	Cupoftea LLC
Search Code	Cupo2511240241

Received Date:	11/24/2025
Reported Date:	11/27/2025

Lot	SS3110YTC251119
Purity	98.749%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
SS-31	98.749%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2511240241

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	MOTS-c
Net Peptide Content	10.34 mg
Identity	MOTS-c

Certificate of Analysis

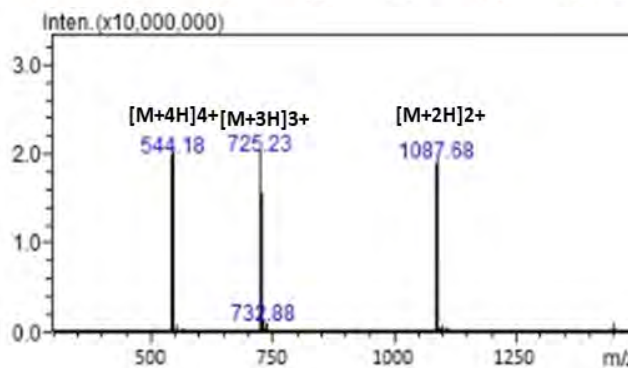
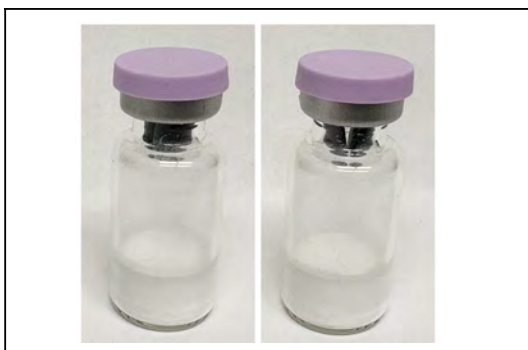
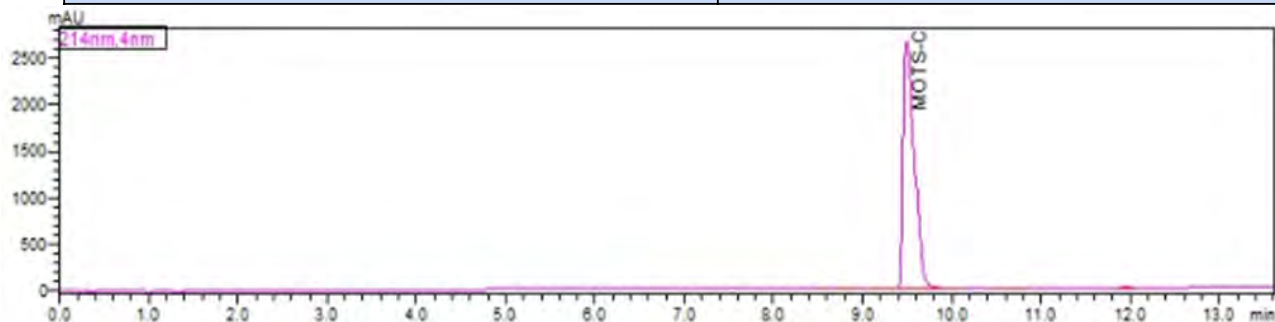
Assession Number	2509020006
Client	Hoyle Aminos
Search Code	Hoyl2509020006

Received Date:	9/2/2025
Reported Date:	9/3/2025

Lot	Lavender Top
Purity	99.50%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
MOTS-c	99.50%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2509020006

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	NAD+
Net Peptide Content	850.99 mg
Identity	NAD+

Certificate of Analysis

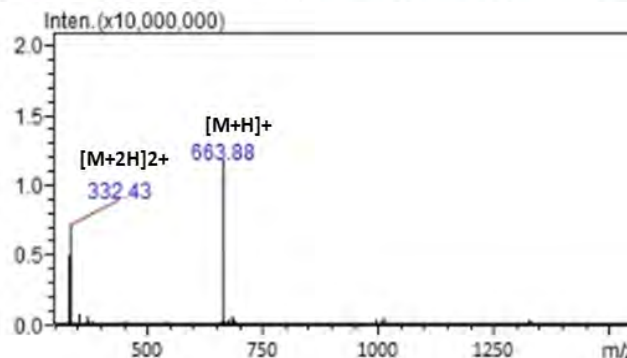
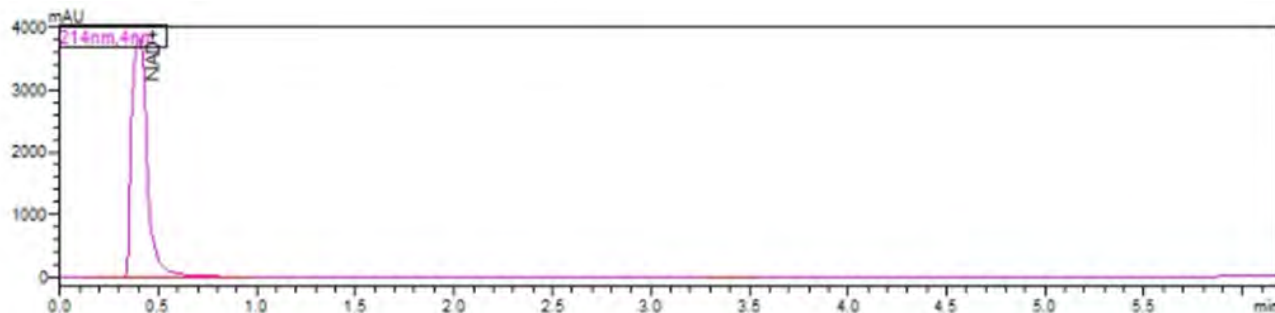
Assession Number	2509020008
Client	Hoyle Aminos
Search Code	Hoyl2509020008

Received Date:	9/2/2025
Reported Date:	9/3/2025

Lot	Clear Top
Purity	99.88%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
NAD+	99.88%



Stephen Schmidt

Stephen Schmidt

Principal Chemist

COA: 2509020008

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	MT-2 10mg
Net Peptide Content	11.70 mg
Identity	Melanotan II

Certificate of Analysis

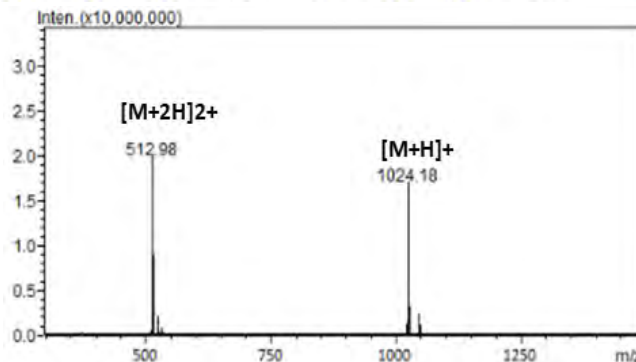
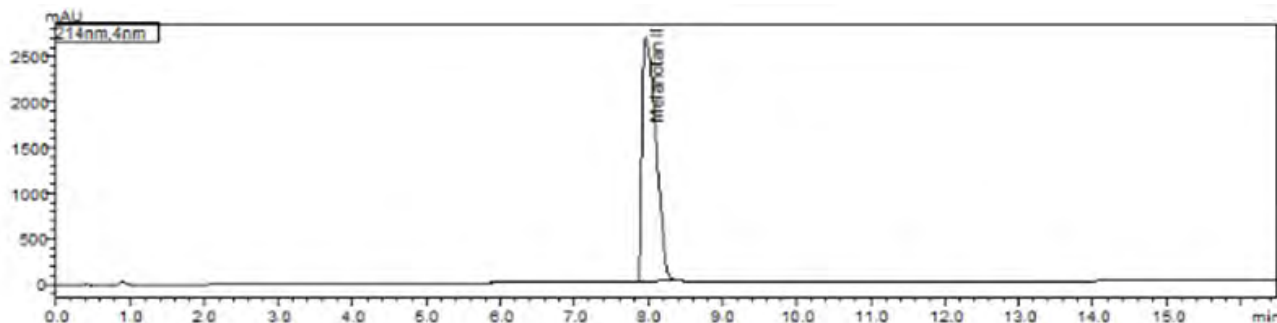
Accession Number	2510060011
Client	Cupoftea LLC
Search Code	Cupo2510060011

Received Date:	10/6/2025
Reported Date:	10/7/2025

Lot	N/A
Purity	99.728%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
Melanotan II	99.728%



Stephen Schmidt

Stephen Schmidt

Principal Chemist

COA: 2510060011

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	TB500 10mg
Net Peptide Content	10.51 mg
Identity	Thymosin Beta-4

Certificate of Analysis

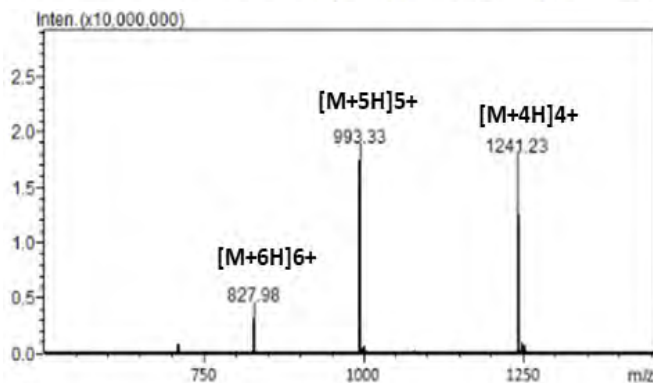
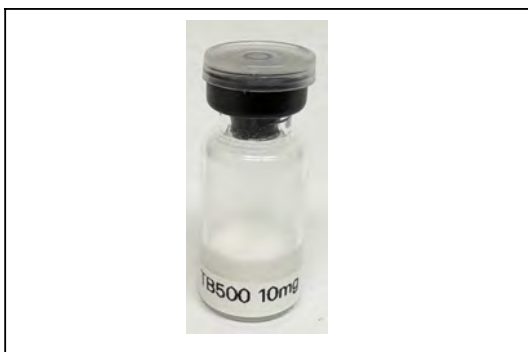
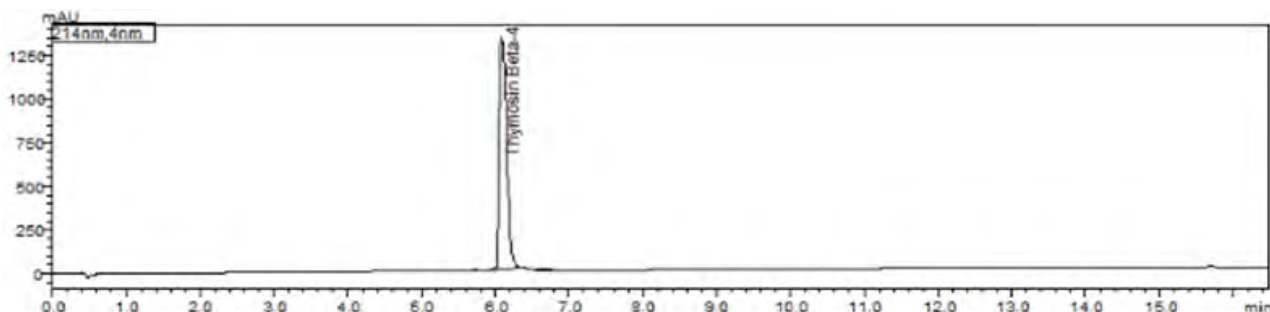
Accession Number	2510060012
Client	Cupoftea LLC
Search Code	Cupo2510060012

Received Date:	10/6/2025
Reported Date:	10/7/2025

Lot	N/A
Purity	98.905%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
Thymosin Beta-4	98.905%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2510060012

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+IPA 10mg
Net Peptide Content	Ipamorelin- 4.99 mg CJC-1295- 5.18 mg
Identity	Ipamorelin/CJC-1295

Certificate of Analysis

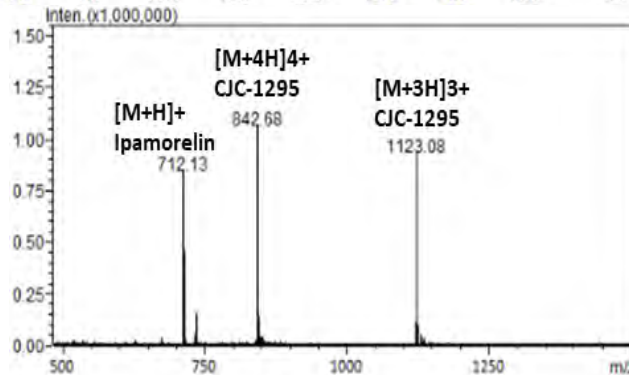
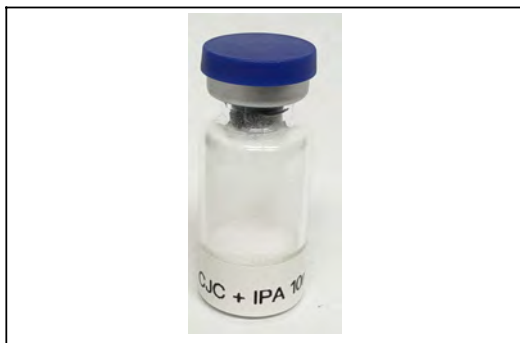
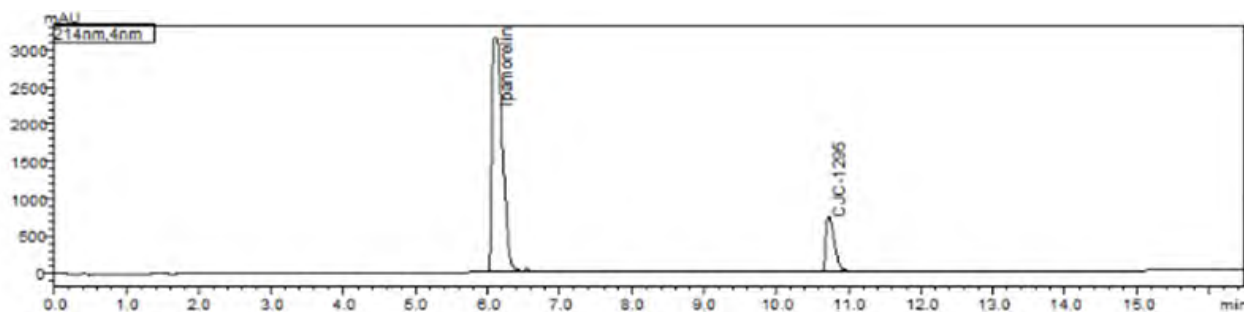
Accession Number	2510060013
Client	Cupoftea LLC
Search Code	Cupo2510060013

Received Date:	10/6/2025
Reported Date:	10/7/2025

Lot	N/A
Purity	99.53%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
Ipamorelin/CJC-1295	99.53%



Stephen Schmidt

Stephen Schmidt

Principal Chemist

COA: 2510060013

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Product	BPC-157 10mg
Net Peptide Content	9.33 mg
Identity	BPC-157

Certificate of Analysis

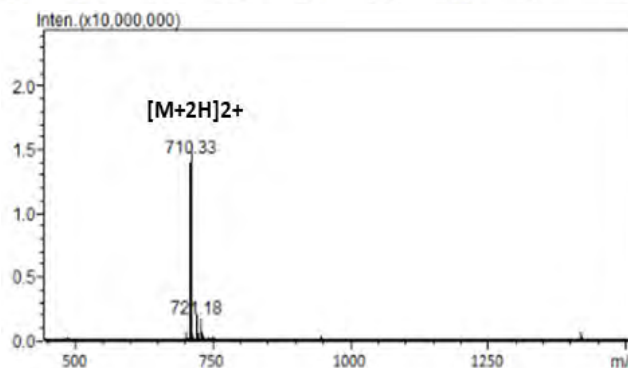
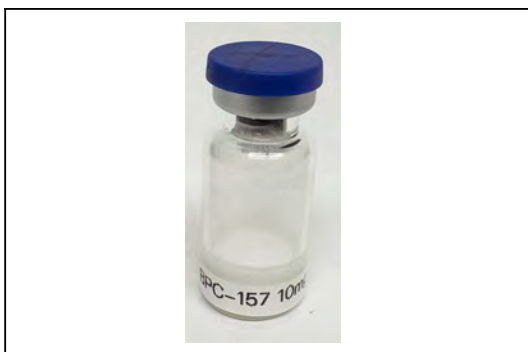
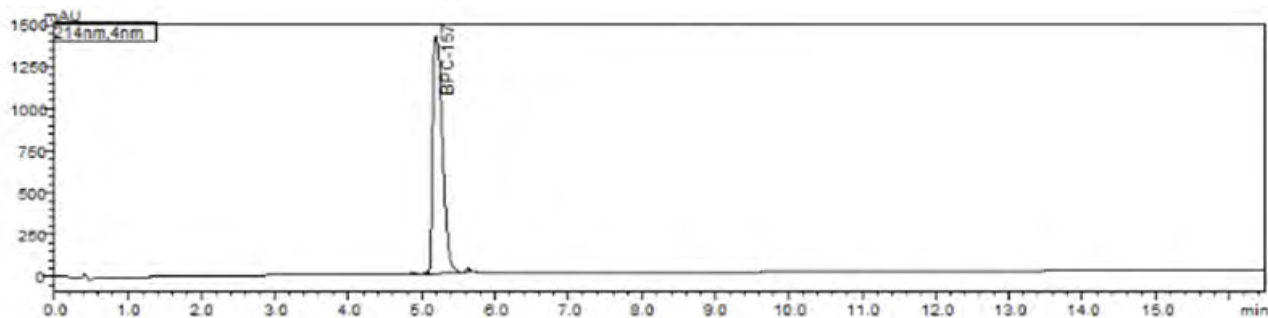
Accession Number	2510060014
Client	Cupofta LLC
Search Code	Cupo2510060014

Received Date:	10/6/2025
Reported Date:	10/7/2025

Lot	N/A
Purity	99.084%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
BPC-157	99.084%



Stephen Schmidt

Stephen Schmidt

Principal Chemist

COA: 2510060014

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	SLU-PP-332
Net Peptide Content	5.08 mg
Identity	SLU-PP-332

Certificate of Analysis

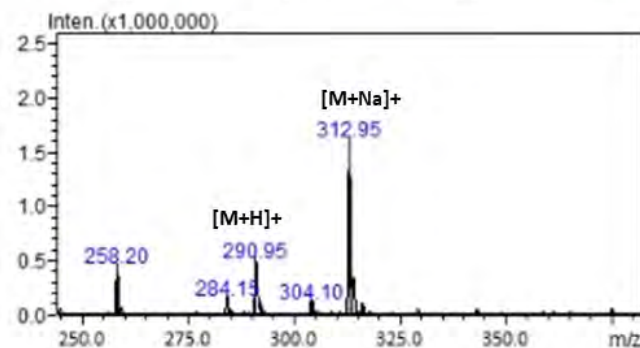
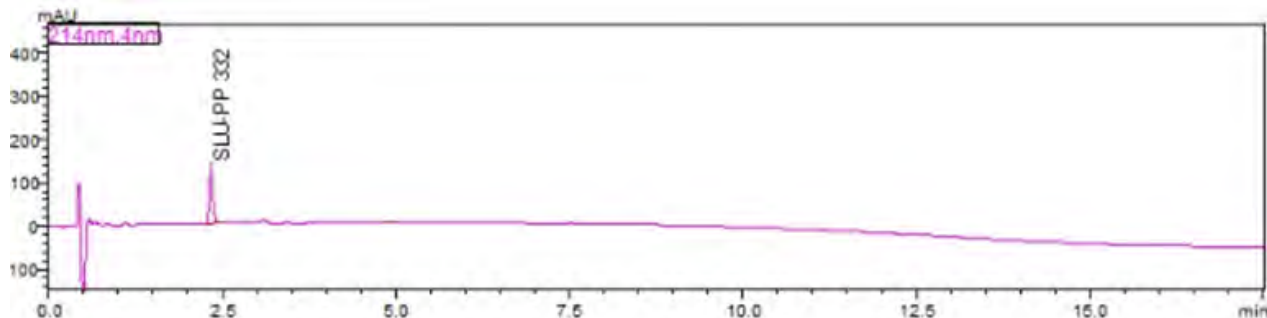
Assession Number	2509080077
Client	Hoyle Aminos
Search Code	Hoyl2509080077

Received Date:	9/8/2025
Reported Date:	9/9/2025

Lot	Yellow Cap
Purity	99.25%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
SLU-PP-332	99.25%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2509080077

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	2509080078
Client	Hoyle Aminos
Search Code	Hoyl2509080078

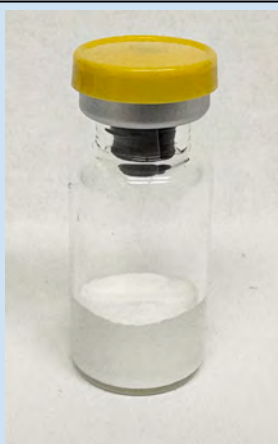
Received Date:	9/8/2025
Reported Date:	9/9/2025

Product	SLU-PP-332
---------	------------

Lot	Yellow Cap
-----	------------

All analyses are conducted for research purposes and performed in duplicate in accordance with USP <85> guidelines

Endotoxin Threshold		Result
Replicate 1	≤ 0.05 EU/mL	Pass
Replicate 2	≤ 0.05 EU/mL	Pass



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2509080078

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	NAD+
Net Peptide Content	850.99 mg
Identity	NAD+

Certificate of Analysis

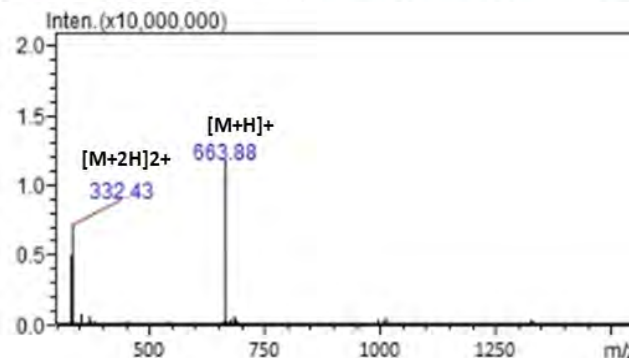
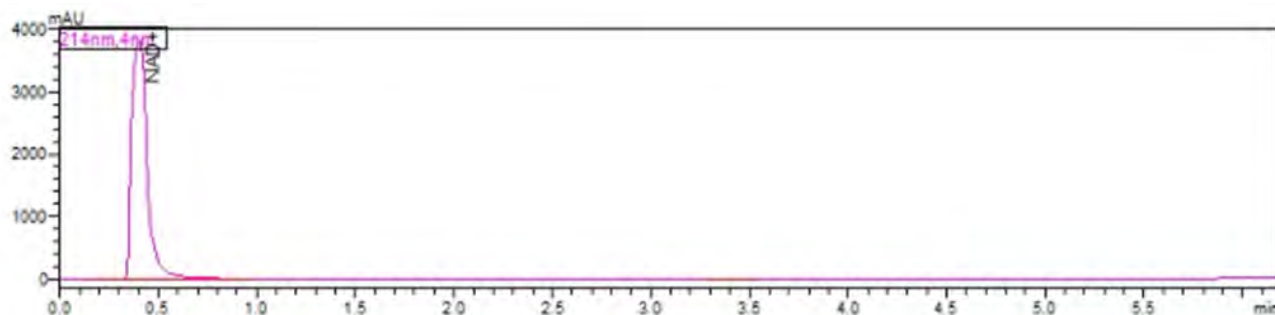
Assession Number	2509020008
Client	Hoyle Aminos
Search Code	Hoyl2509020008

Received Date:	9/2/2025
Reported Date:	9/3/2025

Lot	Clear Top
Purity	99.88%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
NAD+	99.88%



Stephen Schmidt

Stephen Schmidt

Principal Chemist

COA: 2509020008

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	MOTS-c
Net Peptide Content	10.34 mg
Identity	MOTS-c

Certificate of Analysis

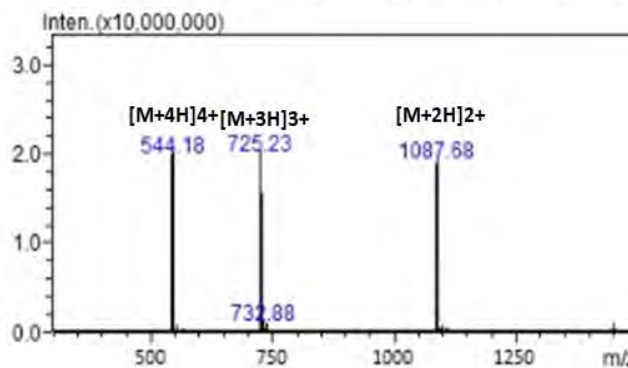
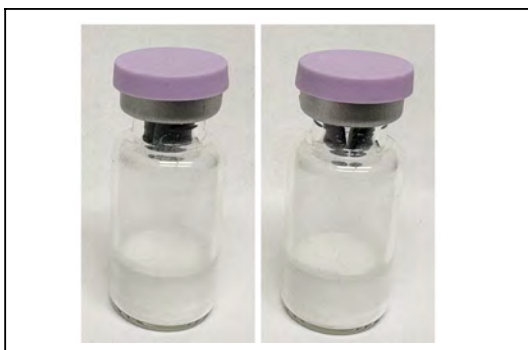
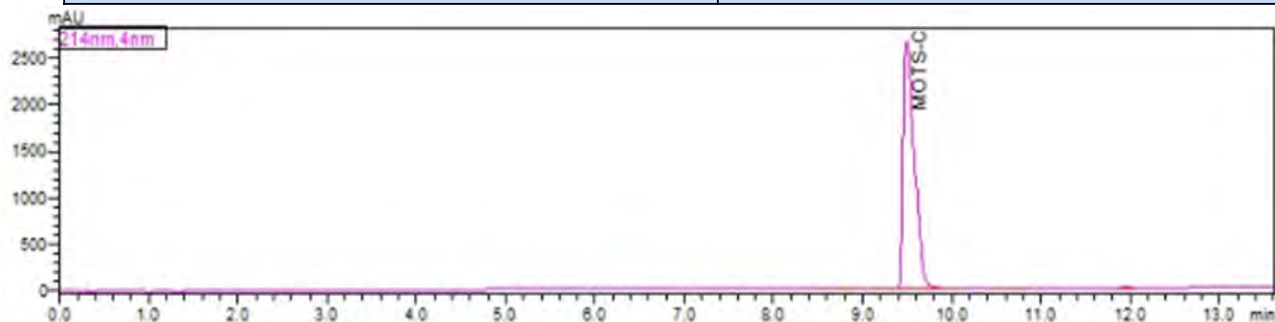
Assession Number	2509020006
Client	Hoyle Aminos
Search Code	Hoyl2509020006

Received Date:	9/2/2025
Reported Date:	9/3/2025

Lot	Lavender Top
Purity	99.50%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
MOTS-c	99.50%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2509020006

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	SS-31
Net Peptide Content	10.89 mg
Identity	SS-31

Certificate of Analysis

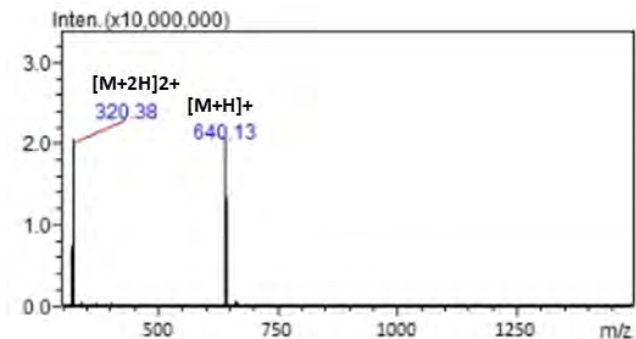
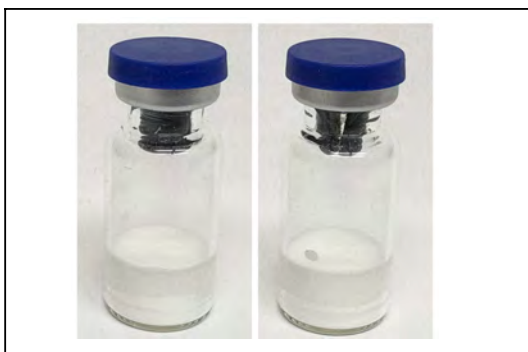
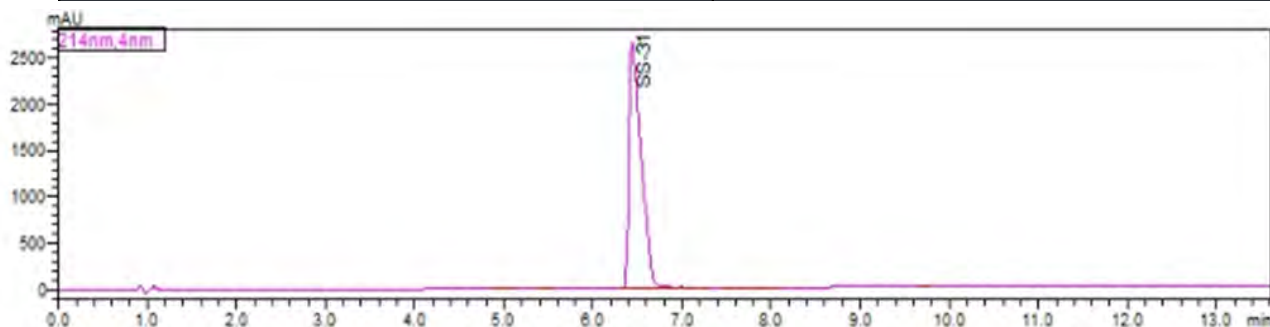
Assession Number	2509020007
Client	Hoyle Aminos
Search Code	Hoyl2509020007

Received Date:	9/2/2025
Reported Date:	9/3/2025

Lot	Blue Top
Purity	99.76%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
SS-31	99.76%



Stephen Schmidt

Stephen Schmidt

Principal Chemist

COA: 2509020007

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	SS-31
Net Peptide Content	10.89 mg
Identity	SS-31

Certificate of Analysis

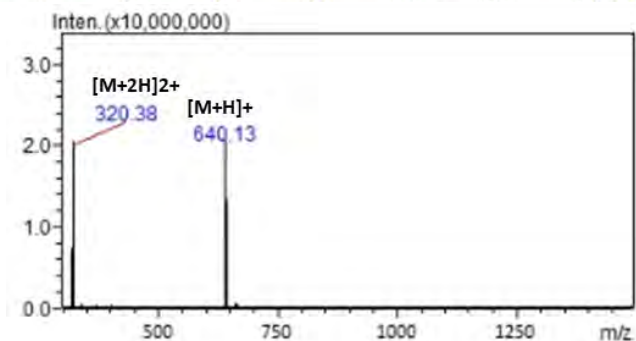
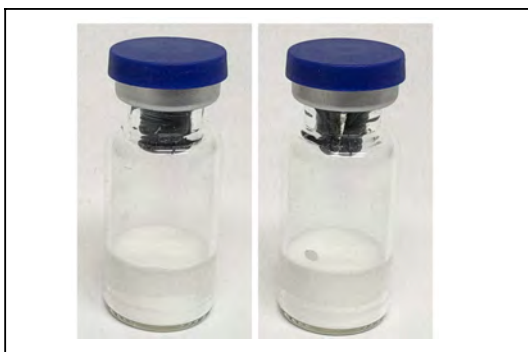
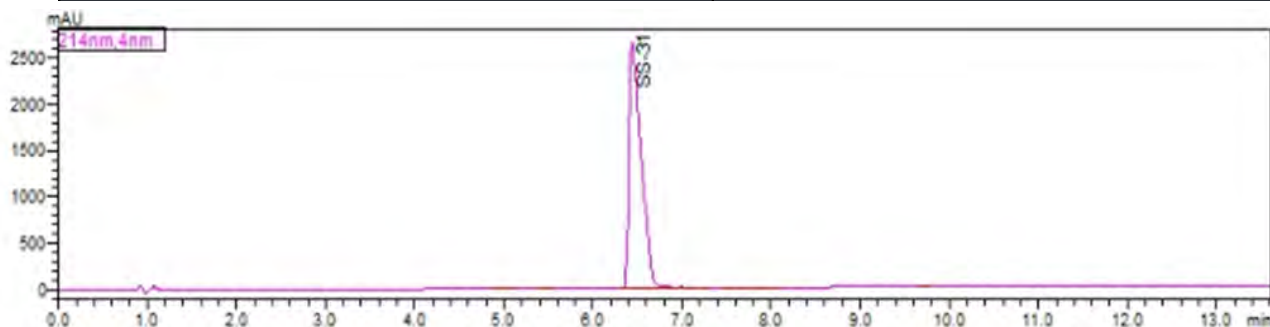
Assession Number	2509020007
Client	Hoyle Aminos
Search Code	Hoyl2509020007

Received Date:	9/2/2025
Reported Date:	9/3/2025

Lot	Blue Top
Purity	99.76%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
SS-31	99.76%



Stephen Schmidt

Stephen Schmidt

Principal Chemist

COA: 2509020007

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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