



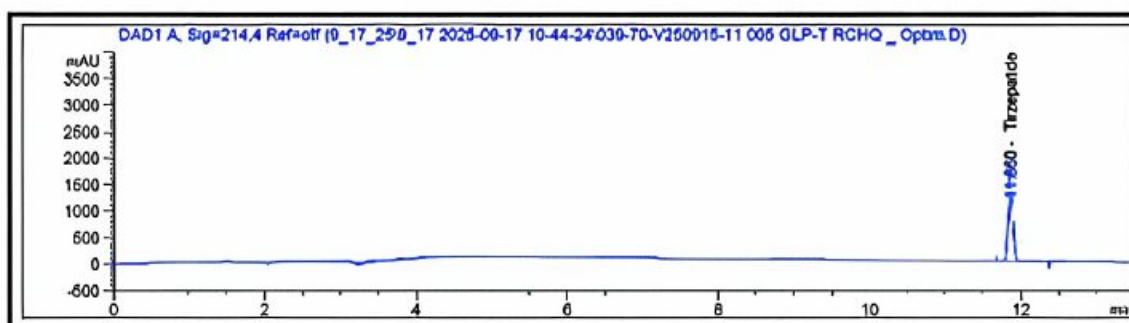
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

GLP-T 60 mg

Report To:
Optimum Formula

Compound: GLP-T
Quantity: 60 mg
Laboratory ID: V250915-11 005
Lot Number: YV4OS
Date Reported: 9/29/2025



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% ± 0.18%
Quantity	HPLC-UV/VIS	65.36 mg
Endotoxins	LAL	Pass - 2.32 EU/mg*

*Pass/Fail criteria based on the USP/FDA threshold of 5 EU/kg (350 EU total for a 70 kg adult)



Report By: Dustin Newman, Laboratory Director on 9/29/2025

Approved By: Tori Johnson, Operations Manager on 9/29/2025



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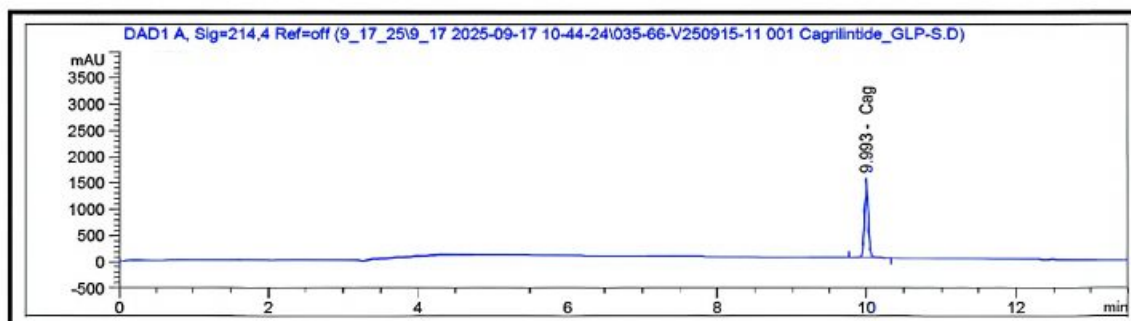
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Cagrilintide 5 mg

Report To:
Optimum Formula

Compound: Cagrilintide
Quantity: 5 mg
Laboratory ID: V250915-11 001
Lot Number: 3H9MY
Date Reported: 9/29/2025



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% ± 0.18%
Quantity	HPLC-UV/VIS	5.89 mg
Endotoxins	LAL	Pass - 1.37 EU/mg*

*Pass/Fail criteria based on the USP/FDA threshold of 5 EU/kg (350 EU total for a 70 kg adult)



Report By: Dustin Newman, Laboratory Director on 9/29/2025

Approved By: Tori Johnson, Operations Manager on 9/29/2025



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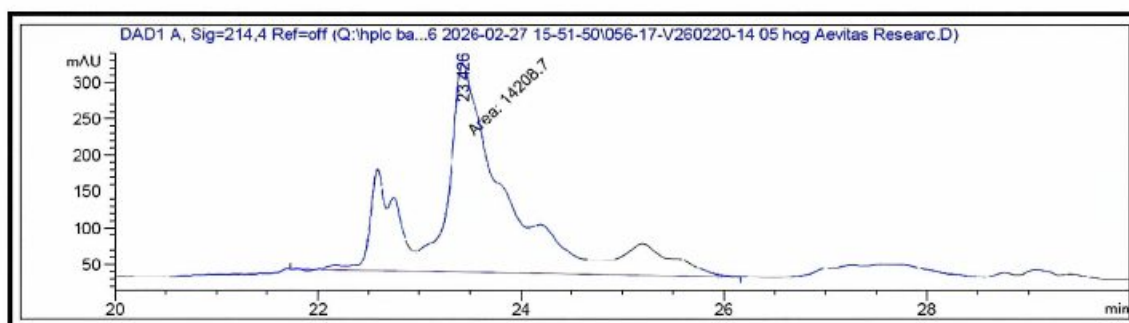
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

HCG 10,000 IU

Report To:
Aevitas Research

Compound: HCG
Quantity: 10,000 IU
Laboratory ID: V260220-14 005
Lot Number: 260203-LUL-G10K-01-P
Date Reported: 3/5/2026



Note: Chorionic gonadotropin contains a number of glycosylated isoforms, which results in the clustering of peaks. Protein content based on area count of primary isoforms in comparison to certified reference standard. Per USP-NF a bioassay is required to accurately determine IU, HPLC-UV-Vis can be used to estimate HCG protein content.

Analysis	Method	Result
Chromatographic Identification	HPLC-UV/VIS	Matches Standard
Quantity	HPLC-UV/VIS	~9,800-10,200 IU



Report By: Dustin Newman, Laboratory Director on 3/5/2026

Approved By: Tori Johnson, Operations Manager on 3/5/2026



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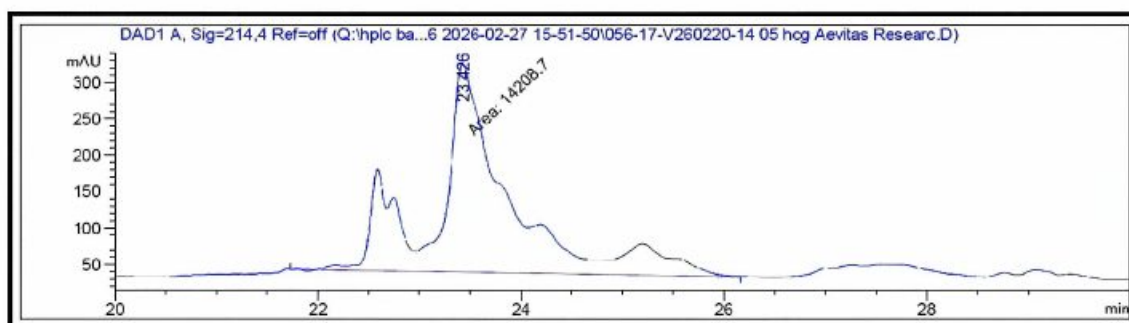
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

HCG 10,000 IU

Report To:
Aevitas Research

Compound: HCG
Quantity: 10,000 IU
Laboratory ID: V260220-14 005
Lot Number: 260203-LUL-G10K-01-P
Date Reported: 3/5/2026



Note: Chorionic gonadotropin contains a number of glycosylated isoforms, which results in the clustering of peaks. Protein content based on area count of primary isoforms in comparison to certified reference standard. Per USP-NF a bioassay is required to accurately determine IU, HPLC-UV-Vis can be used to estimate HCG protein content.

Analysis	Method	Result
Chromatographic Identification	HPLC-UV/VIS	Matches Standard
Quantity	HPLC-UV/VIS	~9,800-10,200 IU



Report By: Dustin Newman, Laboratory Director on 3/5/2026

Approved By: Tori Johnson, Operations Manager on 3/5/2026



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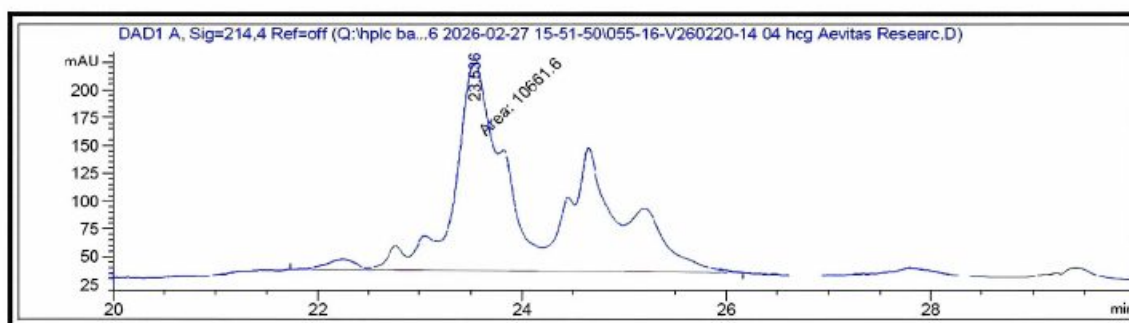
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2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

HCG 5000 IU

Report To:
Aevitas Research

Compound: HCG
Quantity: 5000 IU
Laboratory ID: V260220-14 004
Lot Number: 260203-LUL-GSK-01-P
Date Reported: 3/5/2026



Note: Chorionic gonadotropin contains a number of glycosylated isoforms, which results in the clustering of peaks. Protein content based on area count of primary isoforms in comparison to certified reference standard. Per USP-NF a bioassay is required to accurately determine IU, HPLC-UV-Vis can be used to estimate HCG protein content.

Analysis	Method	Result
Chromatographic Identification	HPLC-UV/VIS	Matches Standard
Quantity	HPLC-UV/VIS	~4,800-5,200 IU



Report By: Dustin Newman, Laboratory Director on 3/5/2026

Approved By: Tori Johnson, Operations Manager on 3/5/2026



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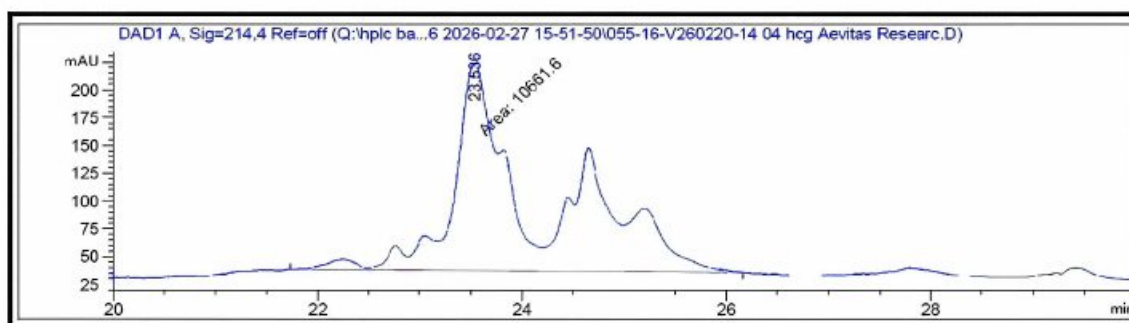
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2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

HCG 5000 IU

Report To:
Aevitas Research

Compound: HCG
Quantity: 5000 IU
Laboratory ID: V260220-14 004
Lot Number: 260203-LUL-GSK-01-P
Date Reported: 3/5/2026



Note: Chorionic gonadotropin contains a number of glycosylated isoforms, which results in the clustering of peaks. Protein content based on area count of primary isoforms in comparison to certified reference standard. Per USP-NF a bioassay is required to accurately determine IU, HPLC-UV-Vis can be used to estimate HCG protein content.

Analysis	Method	Result
Chromatographic Identification	HPLC-UV/VIS	Matches Standard
Quantity	HPLC-UV/VIS	~4,800-5,200 IU



Report By: Dustin Newman, Laboratory Director on 3/5/2026

Approved By: Tori Johnson, Operations Manager on 3/5/2026



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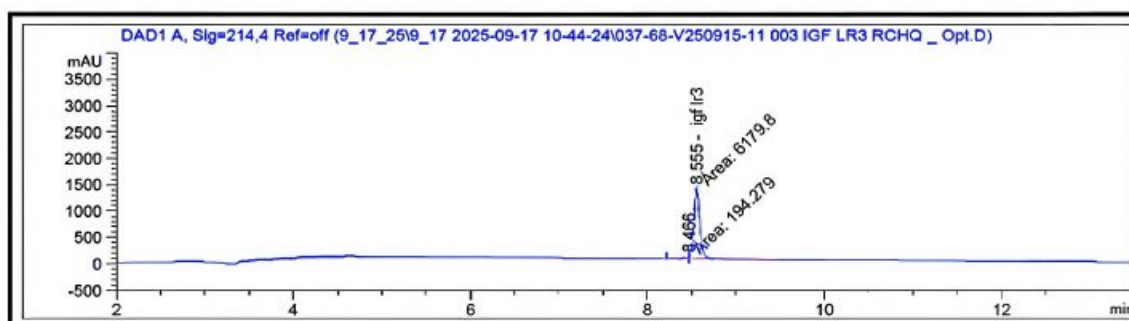
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

IGF LR3 1 mg

Report To:
Optimum Formula

Compound: IGF LR3
Quantity: 1 mg
Laboratory ID: V250915-11 003
Lot Number: OBDKY
Date Reported: 9/29/2025



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.01% ± 0.18%
Quantity	HPLC-UV/VIS	1.17 mg
Endotoxins	LAL	Pass - 32.99 EU/mg*

*Pass/Fail criteria based on the USP/FDA threshold of 5 EU/kg (350 EU total for a 70 kg adult)



Report By: Dustin Newman, Laboratory Director on 9/29/2025

Approved By: Tori Johnson, Operations Manager on 9/29/2025



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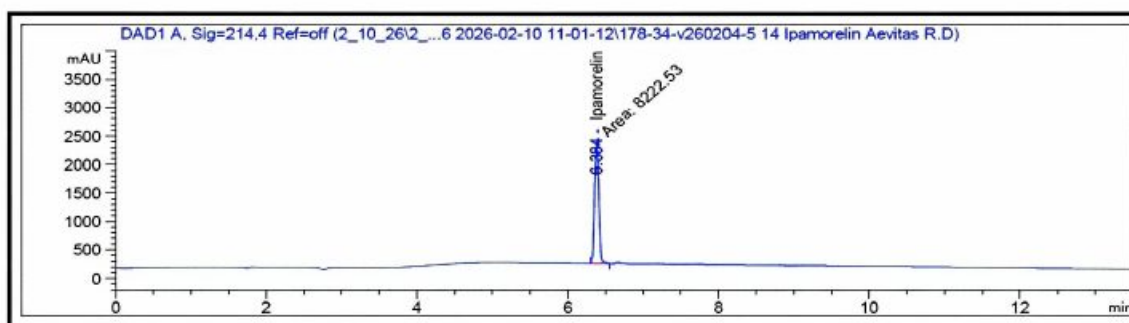
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Ipamorelin 10 mg

Report To:
Aevitas Research

Compound: Ipamorelin
Quantity: 10 mg
Laboratory ID: V260204-5 014
Lot Number: 260121-BZT-IP10-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	9.00 mg



Report By: Dustin Newman, Laboratory Director on 2/13/2026

Approved By: Tori Johnson, Operations Manager on 2/13/2026



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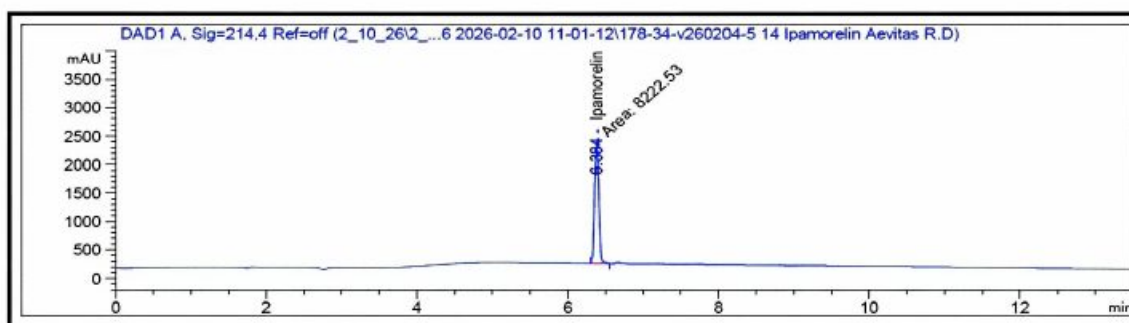
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Ipamorelin 10 mg

Report To:
Aevitas Research

Compound: Ipamorelin
Quantity: 10 mg
Laboratory ID: V260204-5 014
Lot Number: 260121-BZT-IP10-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	9.00 mg



Report By: Dustin Newman, Laboratory Director on 2/13/2026

Approved By: Tori Johnson, Operations Manager on 2/13/2026



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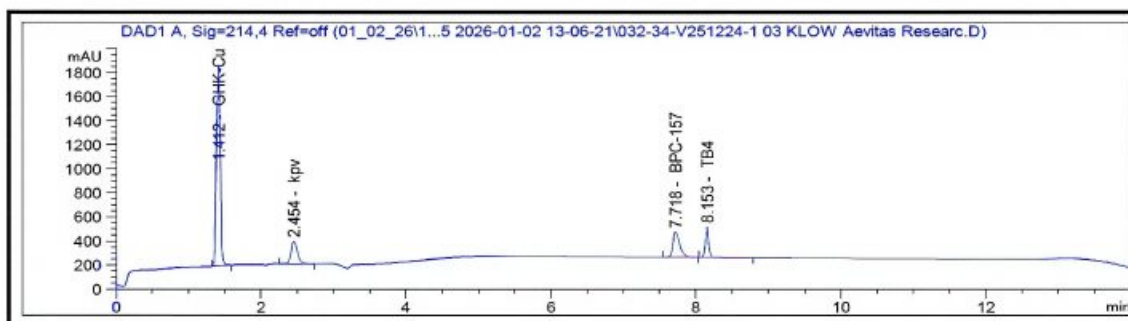
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

KLOW 80 mg

Report To:
Aevitas Research

Compound: KLOW
Quantity: 80 mg
Laboratory ID: V251224-1 003
Lot Number: 251212-BZT-KL80-01
Date Reported: 1/7/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.50% ± 0.18%
Quantity: GHK-Cu	HPLC-UV/VIS	52.79 mg
Quantity: TB-500	HPLC-UV/VIS	9.98 mg
Quantity: BPC-157	HPLC-UV/VIS	11.51 mg
Quantity: KPV	HPLC-UV/VIS	11.25 mg



Report By: Dustin Newman, Laboratory Director on 1/7/2026

Approved By: Tori Johnson, Operations Manager on 1/7/2026



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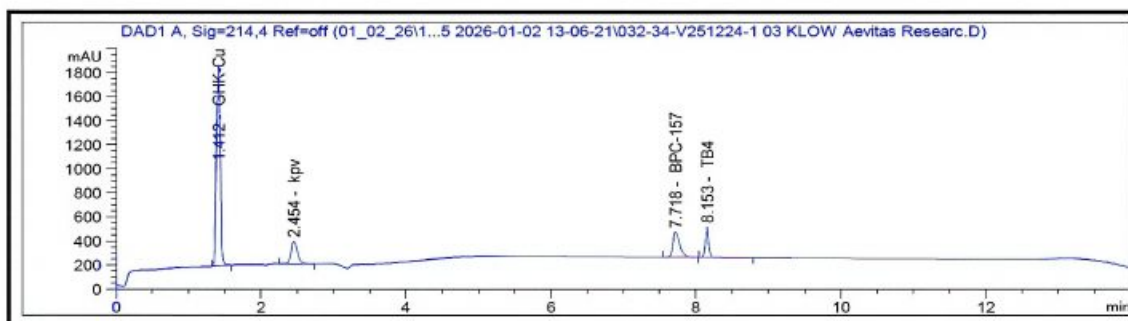
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

KLOW 80 mg

Report To:
Aevitas Research

Compound: KLOW
Quantity: 80 mg
Laboratory ID: V251224-1 003
Lot Number: 251212-BZT-KL80-01
Date Reported: 1/7/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.50% ± 0.18%
Quantity: GHK-Cu	HPLC-UV/VIS	52.79 mg
Quantity: TB-500	HPLC-UV/VIS	9.98 mg
Quantity: BPC-157	HPLC-UV/VIS	11.51 mg
Quantity: KPV	HPLC-UV/VIS	11.25 mg



Report By: Dustin Newman, Laboratory Director on 1/7/2026

Approved By: Tori Johnson, Operations Manager on 1/7/2026



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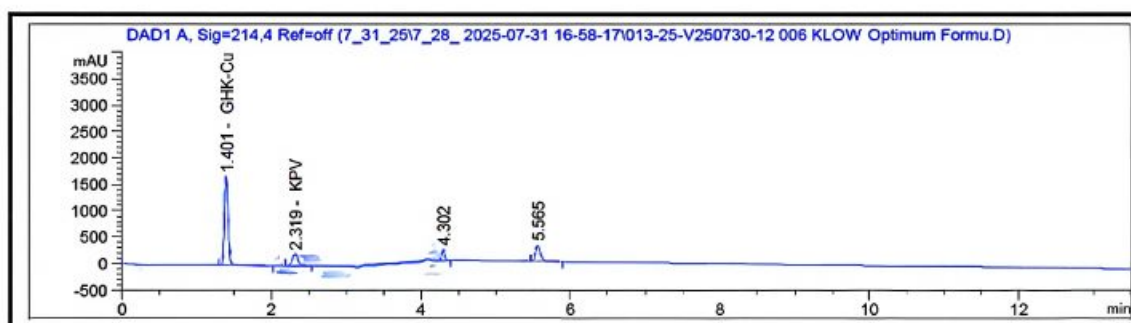
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

KLOW 80 mg

Report To:
Optimum Formula

Compound: KLOW
Amount: 80 mg
Laboratory ID: V250726-2 006
Date Reported: 8/21/2025
Lot Number: 82WYI



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.50% + 0.18%
Assay: GHK-Cu	HPLC-UV/VIS	55.20 mg
Assay: BPC-157	HPLC-UV/VIS	10.78 mg
Assay: TB-500	HPLC-UV/VIS	10.55 mg
Assay: KP	HPLC-UV/VIS	10.08 mg



Report By: Dustin Newman, Laboratory Director on 8/21/2025

Approved By: Tori Johnson, Operations Manager on 8/21/2025

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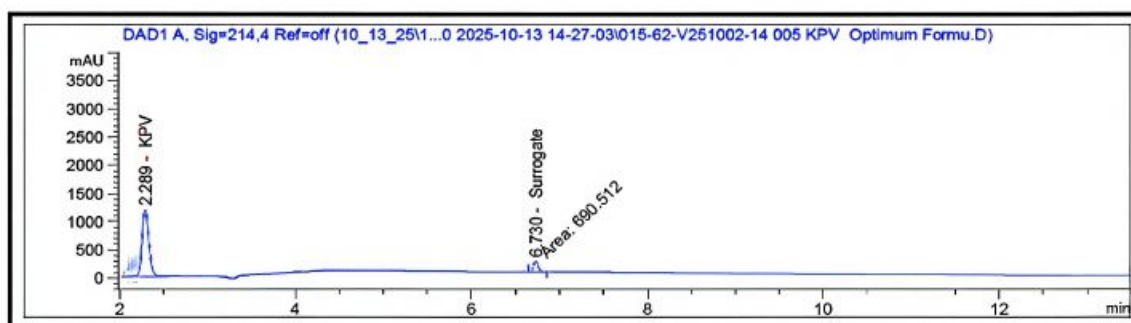
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

KPV 10 mg

Report To:
Optimum Formula

Compound: KPV
Quantity: 10 mg
Laboratory ID: V251002-14 005
Lot Number: BQ6X3
Date Reported: 10/14/2025



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% ± 0.18%
Quantity	HPLC-UV/VIS	11.82 mg
Endotoxins	LAL	Pass - <0.05 EU/mg*

*Pass/Fail criteria based on the USP/FDA threshold of 5 EU/kg (350 EU total for a 70 kg adult)



Report By: Dustin Newman, Laboratory Director on 10/14/2025

Approved By: Tori Johnson, Operations Manager on 10/14/2025



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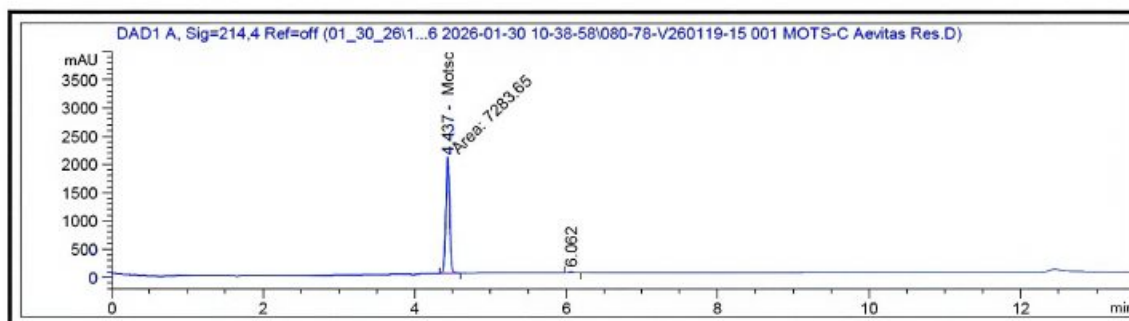
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

MOTS-C 10 mg

Report To:
Aevitas Research

Compound: MOTS-C
Quantity: 10 mg
Laboratory ID: V260119-15 001
Lot Number: 251212-BZT-MT10-01
Date Reported: 2/3/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.02% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	9.97 mg



Report By: Dustin Newman, Laboratory Director on 2/3/2026

Approved By: Tori Johnson, Operations Manager on 2/3/2026



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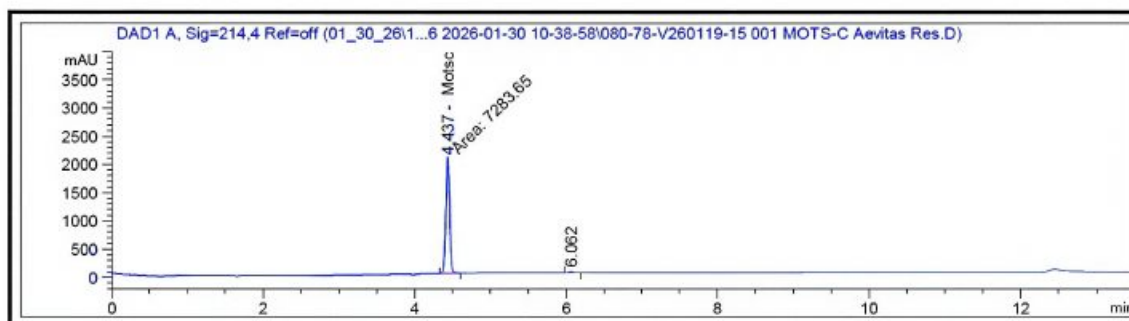
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

MOTS-C 10 mg

Report To:
Aevitas Research

Compound: MOTS-C
Quantity: 10 mg
Laboratory ID: V260119-15 001
Lot Number: 251212-BZT-MT10-01
Date Reported: 2/3/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.02% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	9.97 mg



Report By: Dustin Newman, Laboratory Director on 2/3/2026

Approved By: Tori Johnson, Operations Manager on 2/3/2026



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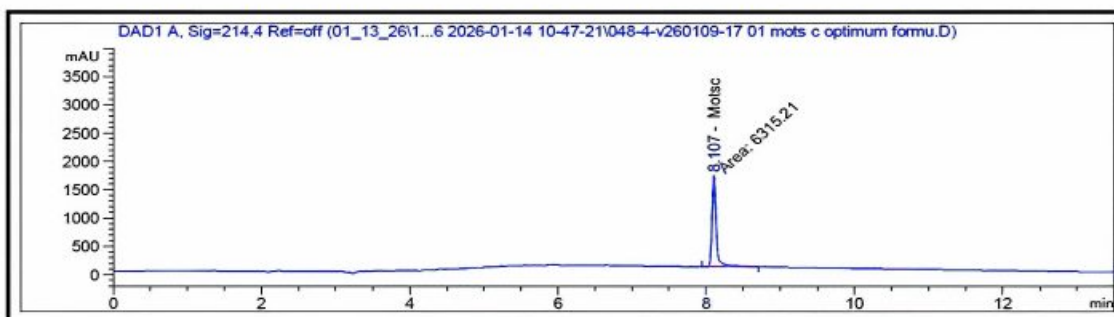
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

MOTS-C 10 mg

Report To:
Optimum Formulas

Compound: MOTS-C
Quantity: 10 mg
Laboratory ID: V260109-17 001
Lot Number: 3NR6Y
Date Reported: 1/29/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	9.96 mg
Sterility	USP <71>	Pass - No Growth Detected



Report By: Dustin Newman, Laboratory Director on 1/29/2026

Approved By: Tori Johnson, Operations Manager on 1/29/2026



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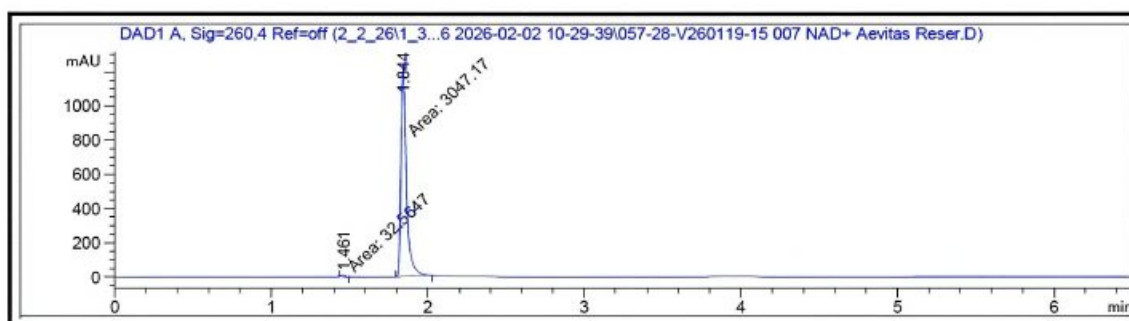
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

NAD+ 500 mg

Report To:
Aevitas Research

Compound: NAD+
Quantity: 500 mg
Laboratory ID: V260119-15 007
Lot Number: 251212-BZT-NJ500-01
Date Reported: 2/3/2026



Analysis	Method	Result
Chromatographic Purity (Total)	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Chromatographic Purity (NAD+)	HPLC-UV/VIS	99.22% $\pm$ 0.18%
Chromatographic Purity (Nicotinamide)	HPLC-UV/VIS	0.78% $\pm$ 0.18%
Quantity: NAD+	HPLC-UV/VIS	466 mg

Report By: Dustin Newman, Laboratory Director on 2/3/2026

Approved By: Tori Johnson, Operations Manager on 2/3/2026



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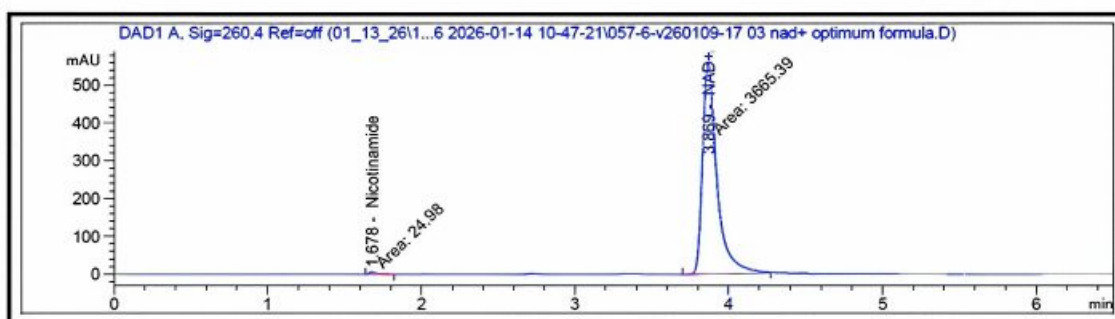
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

NAD+ 500 mg

Report To:
Optimum Formulas

Compound: NAD+
Quantity: 500 mg
Laboratory ID: V260109-17 003
Lot Number: Y0N3T
Date Reported: 1/29/2026



Analysis	Method	Result
Chromatographic Purity (Total)	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Chromatographic Purity (NAD+)	HPLC-UV/VIS	99.32% $\pm$ 0.18%
Chromatographic Purity	HPLC-UV/VIS	0.68% $\pm$ 0.18%
Quantity: NAD+	HPLC-UV/VIS	471 mg
Sterility	USP <71>	Pass - No Growth Detected



Report By: Dustin Newman, Laboratory Director on 1/29/2026

Approved By: Tori Johnson, Operations Manager on 1/29/2026



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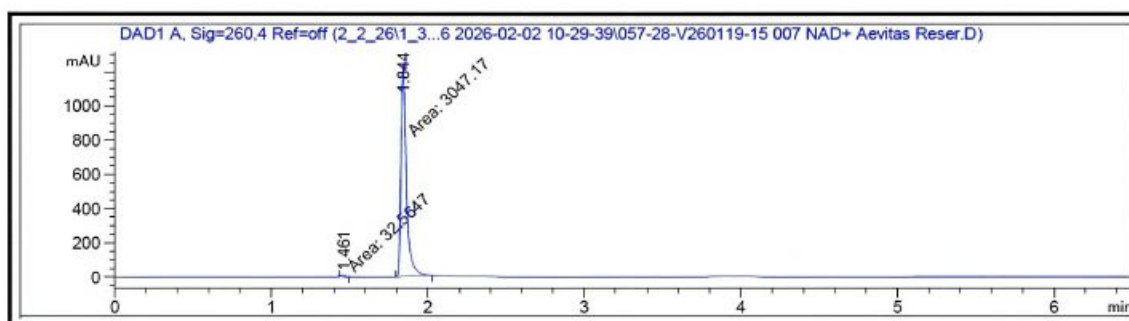
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

NAD+ 500 mg

Report To:
Aevitas Research

Compound: NAD+
Quantity: 500 mg
Laboratory ID: V260119-15 007
Lot Number: 251212-BZT-NJ500-01
Date Reported: 2/3/2026



Analysis	Method	Result
Chromatographic Purity (Total)	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Chromatographic Purity (NAD+)	HPLC-UV/VIS	99.22% $\pm$ 0.18%
Chromatographic Purity (Nicotinamide)	HPLC-UV/VIS	0.78% $\pm$ 0.18%
Quantity: NAD+	HPLC-UV/VIS	466 mg

Report By: Dustin Newman, Laboratory Director on 2/3/2026

Approved By: Tori Johnson, Operations Manager on 2/3/2026



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.



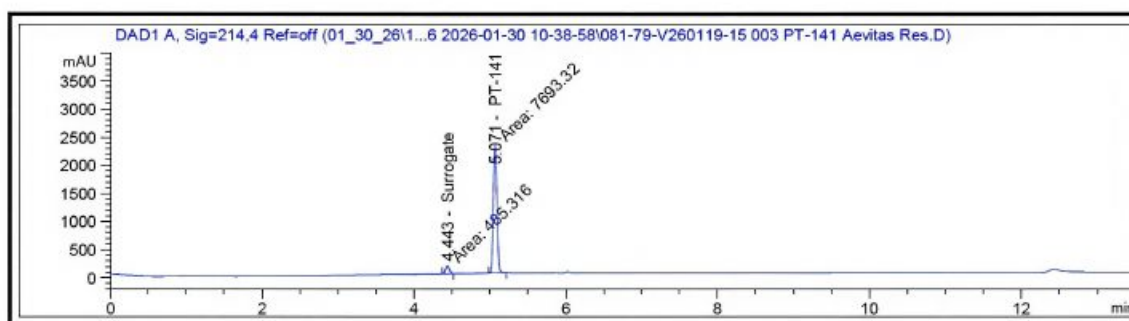
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

PT-141 10 mg

Report To:
Aevitas Research

Compound: PT-141
Quantity: 10 mg
Laboratory ID: V260119-15 003
Lot Number: 251212-BZT-P41-01
Date Reported: 2/3/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.05% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	10.69 mg



Report By: Dustin Newman, Laboratory Director on 2/3/2026

Approved By: Tori Johnson, Operations Manager on 2/3/2026



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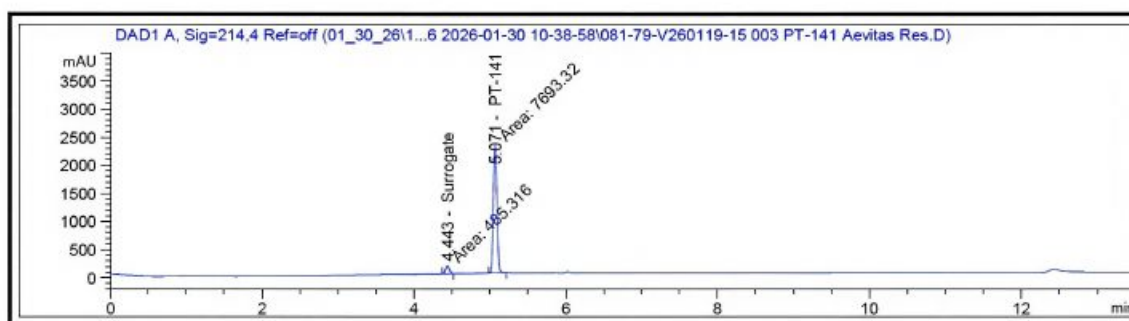
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360-967-7010

Certificate of Analysis

PT-141 10 mg

Report To:
Aevitas Research

Compound: PT-141
Quantity: 10 mg
Laboratory ID: V260119-15 003
Lot Number: 251212-BZT-P41-01
Date Reported: 2/3/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.05% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	10.69 mg



Report By: Dustin Newman, Laboratory Director on 2/3/2026

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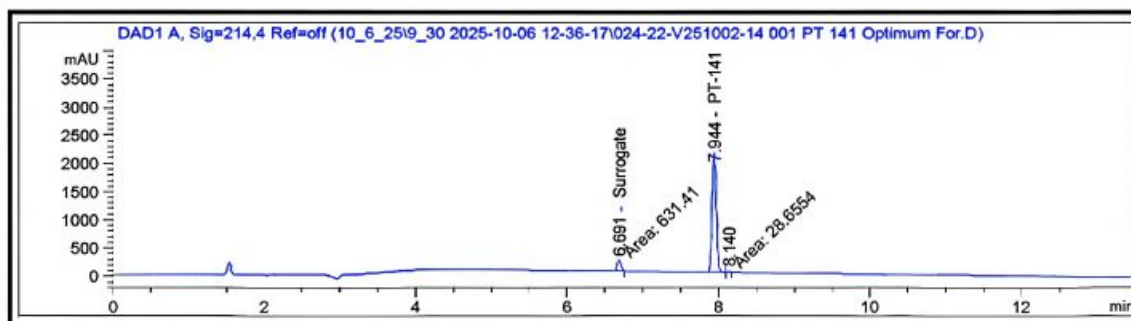
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

PT-141 10 mg

Report To:
Optimum Formula

Compound: PT-141
Quantity: 10 mg
Laboratory ID: V251002-14 001
Lot Number: JG56Y
Date Reported: 10/14/2025



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.63% ± 0.18%
Quantity	HPLC-UV/VIS	10.96 mg
Endotoxins	LAL	Pass - <0.05 EU/mg*

*Pass/Fail criteria based on the USP/FDA threshold of 5 EU/kg (350 EU total for a 70 kg adult)



Report By: Dustin Newman, Laboratory Director on 10/14/2025

Approved By: Tori Johnson, Operations Manager on 10/14/2025



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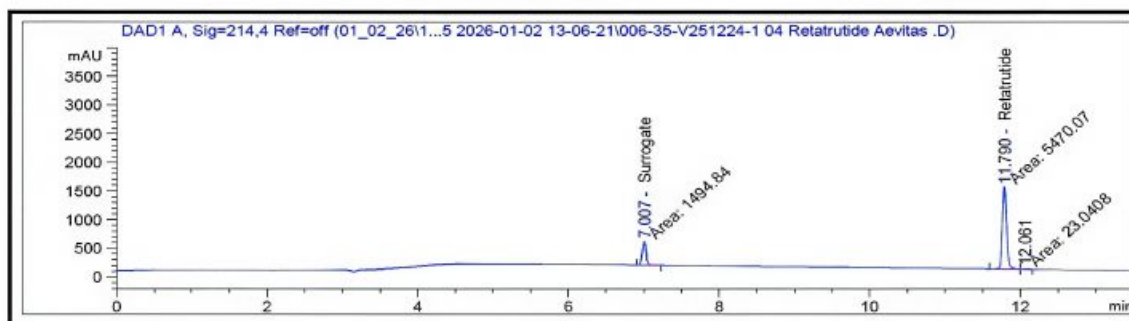
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Retatrutide 5 mg

Report To:
Aevitas Research

Compound: Retatrutide
Quantity: 5 mg
Laboratory ID: V251224-1 004
Lot Number: 251215-LUL-RT5-01
Date Reported: 1/7/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.58% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	5.12 mg



Report By: Dustin Newman, Laboratory Director on 1/7/2026

Approved By: Tori Johnson, Operations Manager on 1/7/2026



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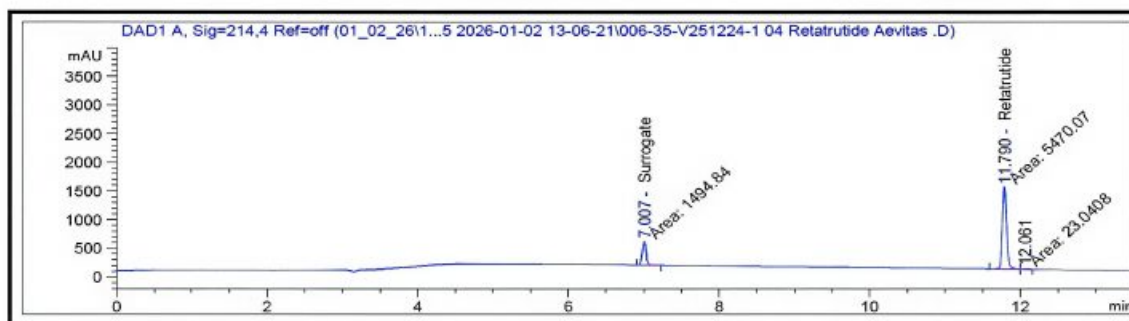
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Retatrutide 5 mg

Report To:
Aevitas Research

Compound: Retatrutide
Quantity: 5 mg
Laboratory ID: V251224-1 004
Lot Number: 251215-LUL-RT5-01
Date Reported: 1/7/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.58% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	5.12 mg



Report By: Dustin Newman, Laboratory Director on 1/7/2026

Approved By: Tori Johnson, Operations Manager on 1/7/2026



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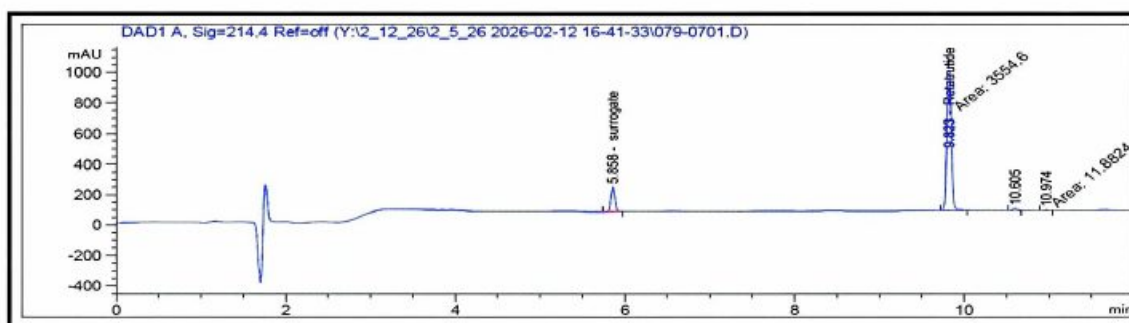
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Retatrutide 10 mg

Report To:
Aevitas Research

Compound: Retatrutide
Quantity: 10 mg
Laboratory ID: V260204-5 003
Lot Number: 260121-BZT-RT10-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.44% ± 0.18%
Quantity	HPLC-UV/VIS	10.27 mg



Report By: Dustin Newman, Laboratory Director on 2/13/2026

Approved By: Tori Johnson, Operations Manager on 2/13/2026



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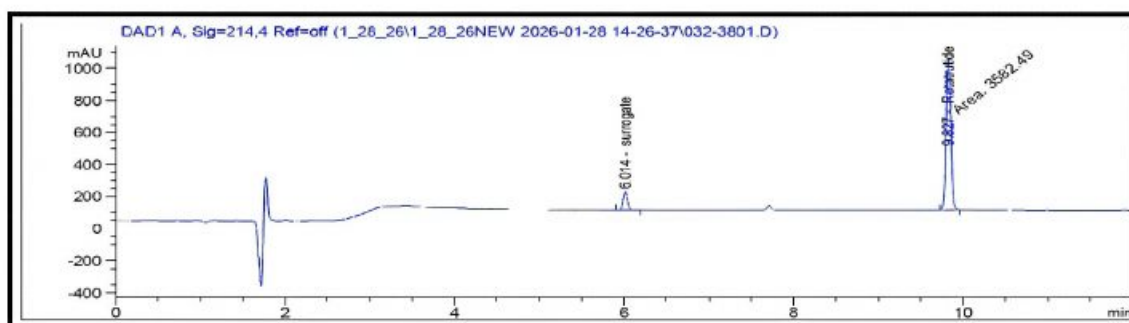
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Retatrutide 10 mg

Report To:
Optimum Formula

Compound: Retatrutide
Quantity: 10 mg
Laboratory ID: V260119-7 001
Lot Number: BG4MA
Date Reported: 2/6/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% ± 0.18%
Quantity	HPLC-UV/VIS	10.41 mg
Sterility	USP <71>	Pass - No Growth Detected
Endotoxins	LAL	Pass - 11.00 EU/mg*

*Pass/Fail criteria based on the USP/FDA threshold of 5 EU/kg (350 EU total for a 70 kg adult)



Report By: Dustin Newman, Laboratory Director on 2/6/2026

Approved By: Tori Johnson, Operations Manager on 2/6/2026



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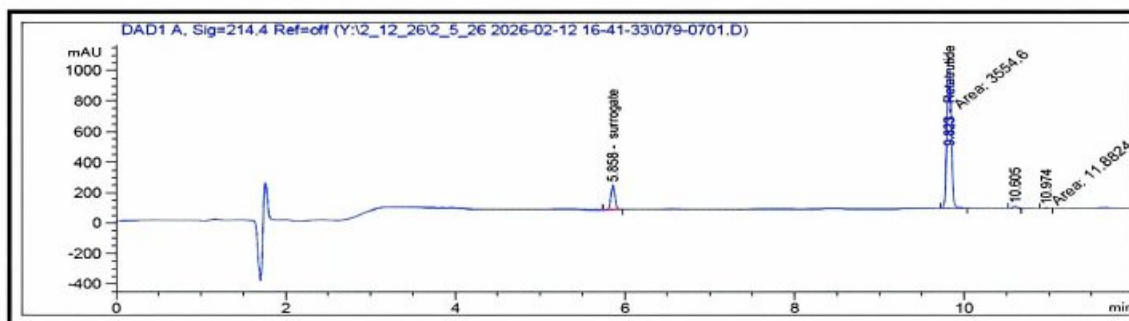
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Retatrutide 10 mg

Report To:
Aevitas Research

Compound: Retatrutide
Quantity: 10 mg
Laboratory ID: V260204-5 003
Lot Number: 260121-BZT-RT10-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.44% ± 0.18%
Quantity	HPLC-UV/VIS	10.27 mg



Report By: Dustin Newman, Laboratory Director on 2/13/2026

Approved By: Tori Johnson, Operations Manager on 2/13/2026



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

Certificate of Analysis

Retatrutide 10 mg

Report To:
Optimum Formula

Compound: Retatrutide
Quantity: 10 mg
Laboratory ID: V260119-7 001
Lot Number: BG4MA
Date Reported: 2/6/2026

Analyte	Method	LOQ (ppm)	Result (ppm)
Arsenic (As)	ICP-MS	0.01	ND
Cadmium (Cd)	ICP-MS	0.01	ND
Lead (Pb)	ICP-MS	0.01	ND
Mercury (Hg)	ICP-MS	0.005	ND

Run ID: 260203

Report By: Dustin Newman, Laboratory Director on 2/6/2026

Approved By: Tori Johnson, Operations Manager on 2/6/2026



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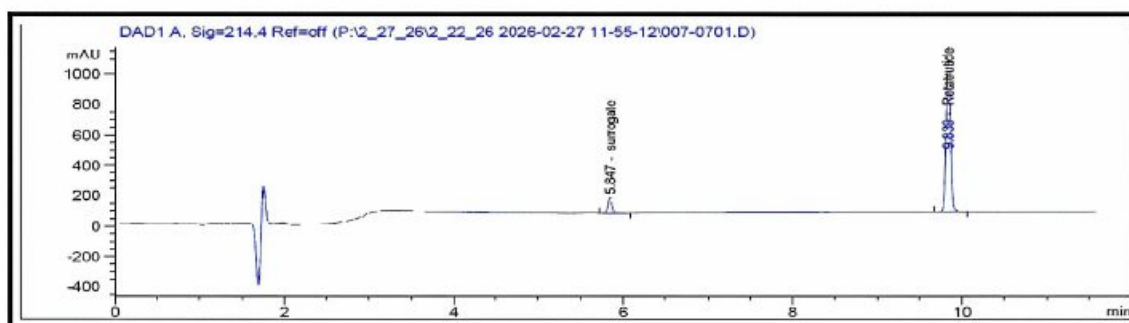
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Retatrutide 15 mg

Report To:
Aevitas Research

Compound: Retatrutide
Quantity: 15 mg
Laboratory ID: V260220-14 003
Lot Number: 260206-BZT-RT15-01-P
Date Reported: 3/5/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% ± 0.18%
Quantity	HPLC-UV/VIS	15.65 mg



Report By: Dustin Newman, Laboratory Director on 3/5/2026

Approved By: Tori Johnson, Operations Manager on 3/5/2026



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