



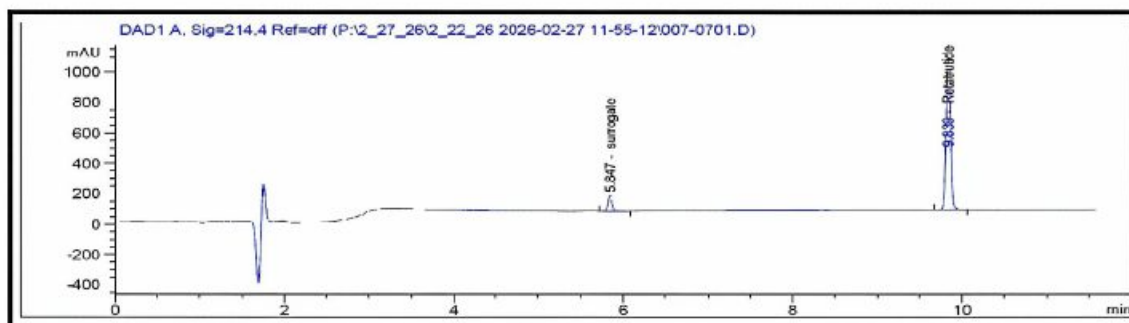
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

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



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.



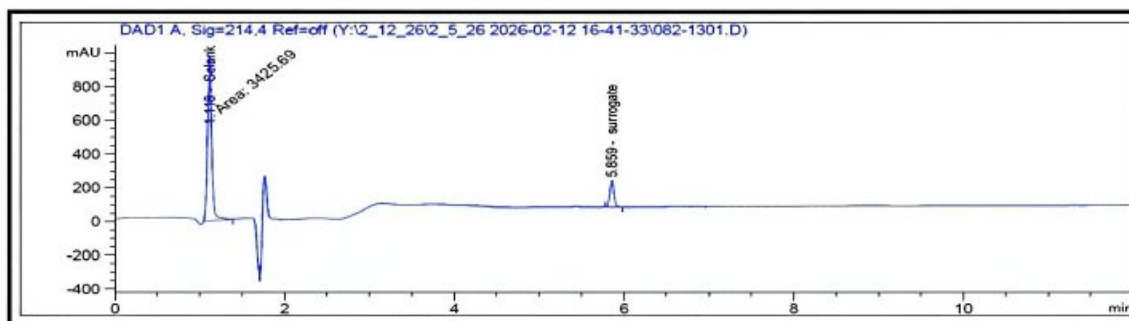
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Selank 10 mg

Report To:
Aevitas Research

Compound: Selank
Quantity: 10 mg
Laboratory ID: V260204-5 007
Lot Number: 260121-BZT-SK10-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	9.91 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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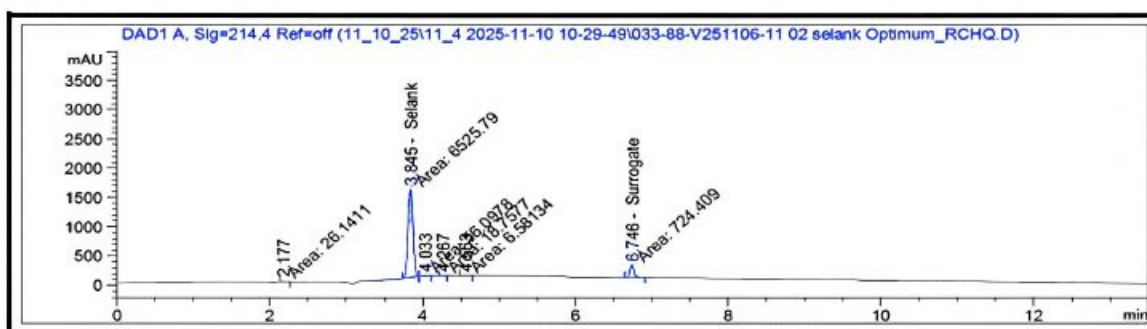
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Selank 10 mg

Report To:
Optimum Formula

Compound: Selank
Quantity: 10 mg
Laboratory ID: V251106-11 002
Lot Number: AD3RL
Date Reported: 11/18/2025



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	98.38% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	8.67 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 11/18/2025

Approved By: Tori Johnson, Operations Manager on 11/18/2025



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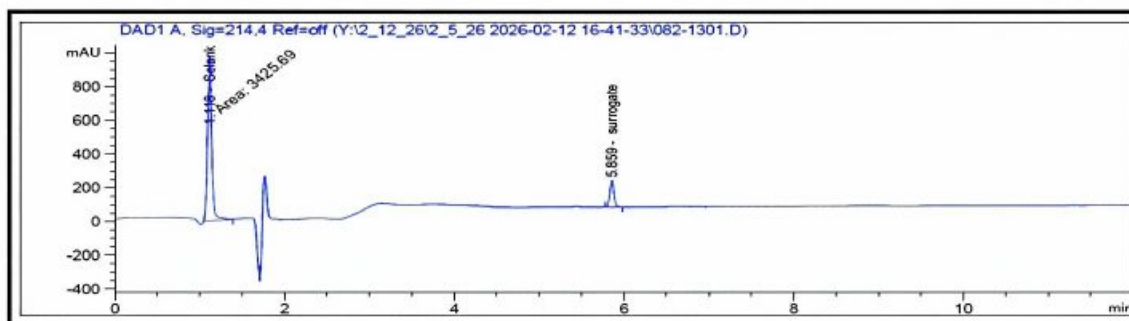
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Selank 10 mg

Report To:
Aevitas Research

Compound: Selank
Quantity: 10 mg
Laboratory ID: V260204-5 007
Lot Number: 260121-BZT-SK10-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	9.91 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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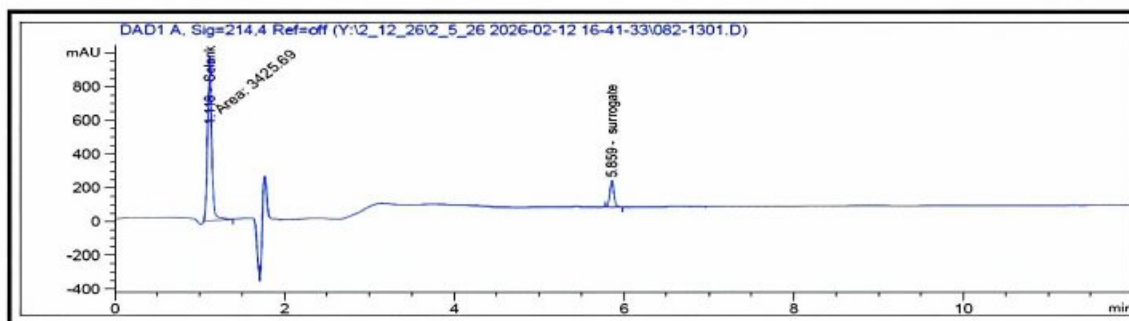
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Selank 10 mg

Report To:
Aevitas Research

Compound: Selank
Quantity: 10 mg
Laboratory ID: V260204-5 007
Lot Number: 260121-BZT-SK10-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	9.91 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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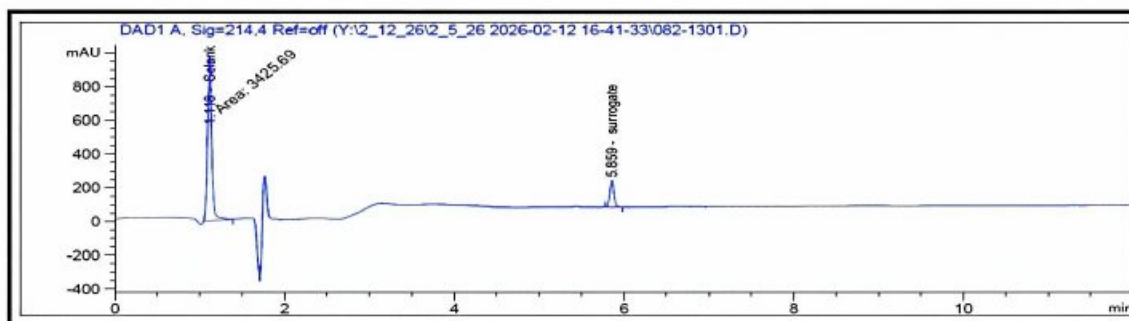
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Selank 10 mg

Report To:
Aevitas Research

Compound: Selank
Quantity: 10 mg
Laboratory ID: V260204-5 007
Lot Number: 260121-BZT-SK10-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	9.91 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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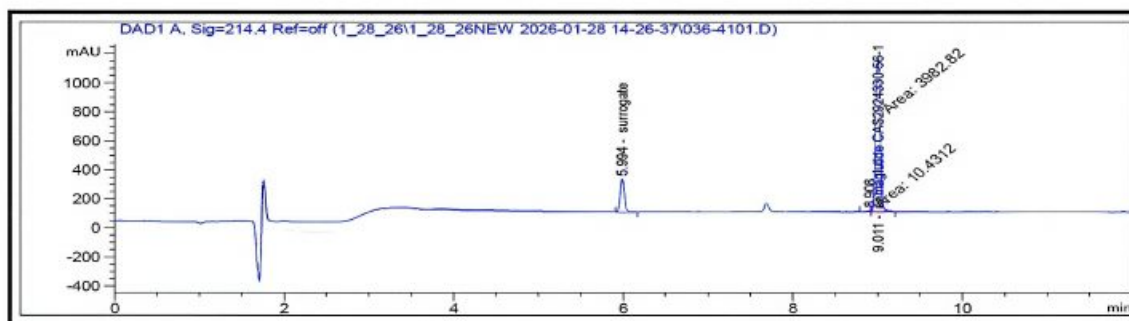
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Semaglutide 5 mg

Report To:
Aevitas Research

Compound: Semaglutide
Quantity: 5 mg
Laboratory ID: V260119-15 004
Lot Number: 251215-LUL-SM5-01
Date Reported: 2/3/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.74% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	5.95 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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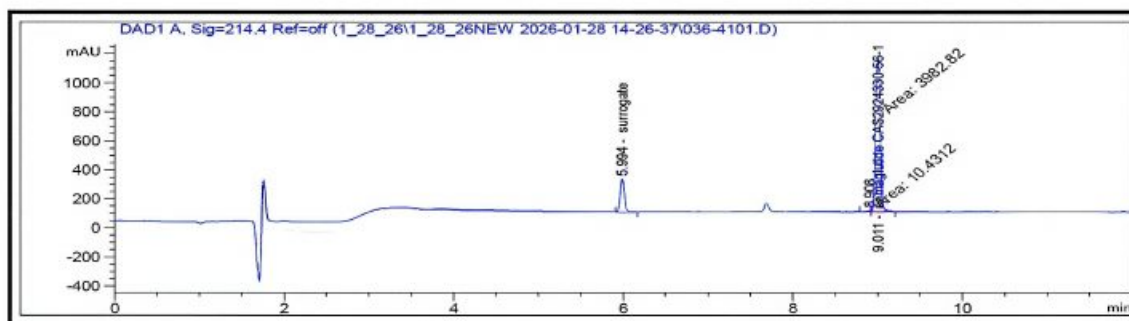
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Semaglutide 5 mg

Report To:
Aevitas Research

Compound: Semaglutide
Quantity: 5 mg
Laboratory ID: V260119-15 004
Lot Number: 251215-LUL-SM5-01
Date Reported: 2/3/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.74% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	5.95 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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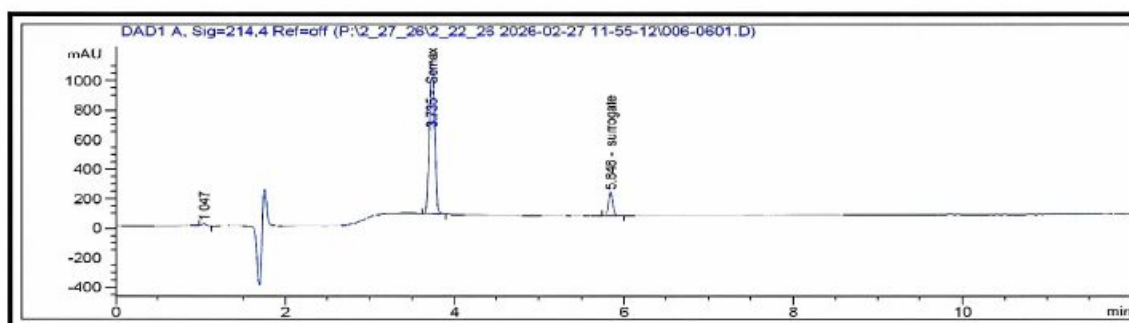
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Semax 10 mg

Report To:
Aevitas Research

Compound: Semax
Quantity: 10 mg
Laboratory ID: V260220-14 002
Lot Number: 260203-LUL-XA10-01-P
Date Reported: 3/5/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% ± 0.18%
Quantity	HPLC-UV/VIS	9.93 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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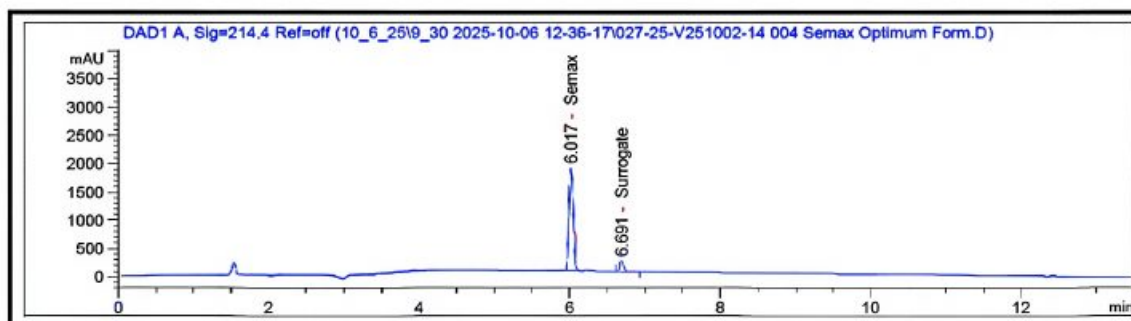
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Semax 10 mg

Report To:
Optimum Formula

Compound: Semax
Quantity: 10 mg
Laboratory ID: V251002-14 004
Lot Number: TD31C
Date Reported: 10/14/2025



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% ± 0.18%
Quantity	HPLC-UV/VIS	9.92 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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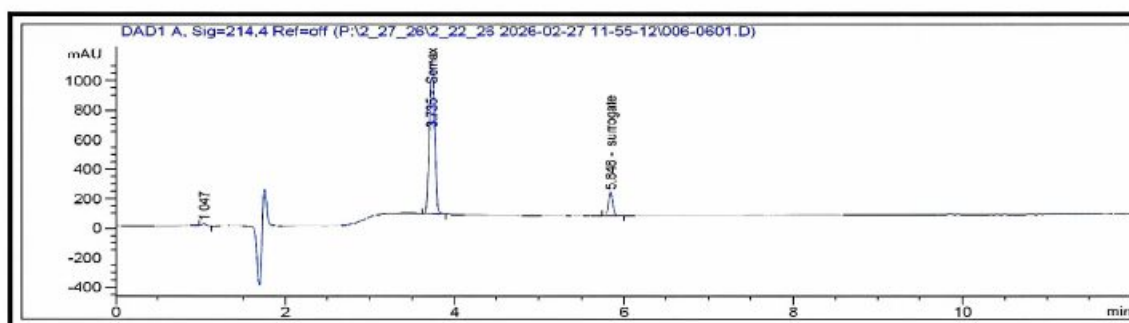
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Semax 10 mg

Report To:
Aevitas Research

Compound: Semax
Quantity: 10 mg
Laboratory ID: V260220-14 002
Lot Number: 260203-LUL-XA10-01-P
Date Reported: 3/5/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% ± 0.18%
Quantity	HPLC-UV/VIS	9.93 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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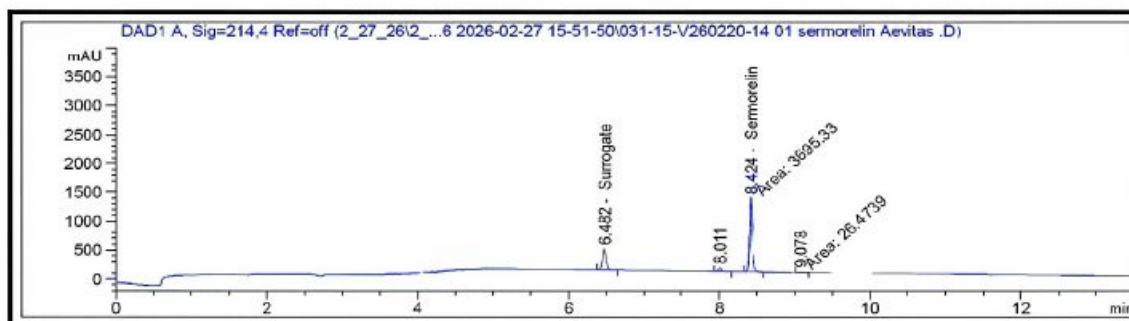
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Sermorelin 5 mg

Report To:
Aevitas Research

Compound: Sermorelin
Quantity: 5 mg
Laboratory ID: V260220-14 001
Lot Number: 260203-LUL-SMOS-01-P
Date Reported: 3/5/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.20% ± 0.18%
Quantity	HPLC-UV/VIS	4.17 mg



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

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



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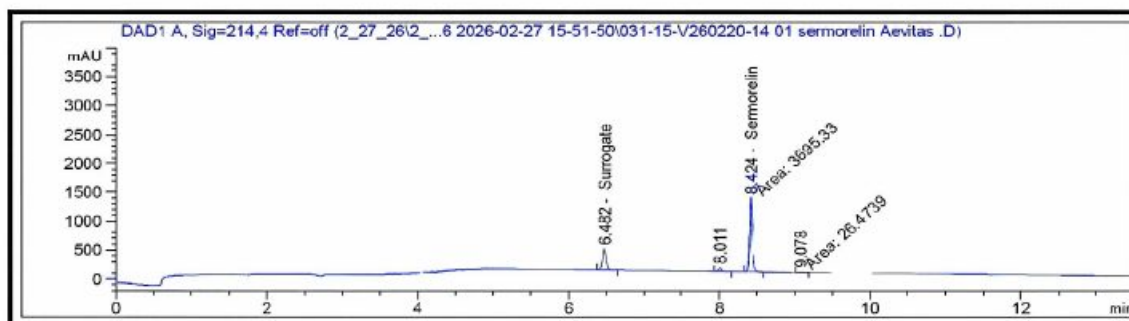
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Sermorelin 5 mg

Report To:
Aevitas Research

Compound: Sermorelin
Quantity: 5 mg
Laboratory ID: V260220-14 001
Lot Number: 260203-LUL-SMOS-01-P
Date Reported: 3/5/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.20% ± 0.18%
Quantity	HPLC-UV/VIS	4.17 mg



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

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



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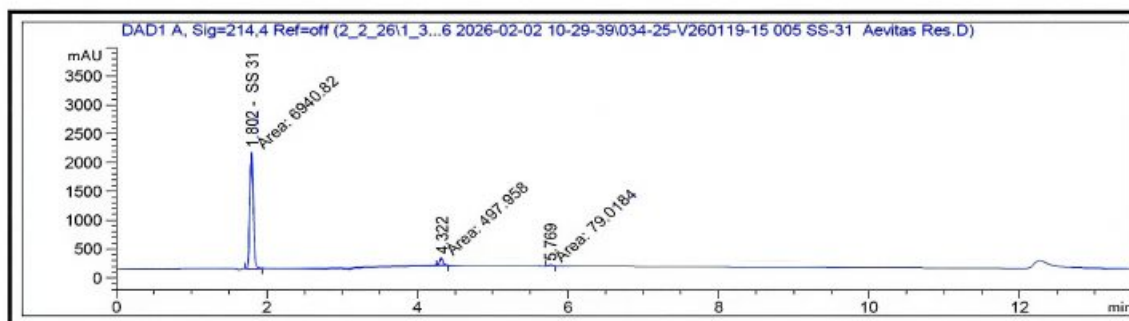
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

SS-31 10 mg

Report To:
Aevitas Research

Compound: SS-31
Quantity: 10 mg
Laboratory ID: V260119-15 005
Lot Number: 251212-BZT-S10-01
Date Reported: 2/3/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	11.10 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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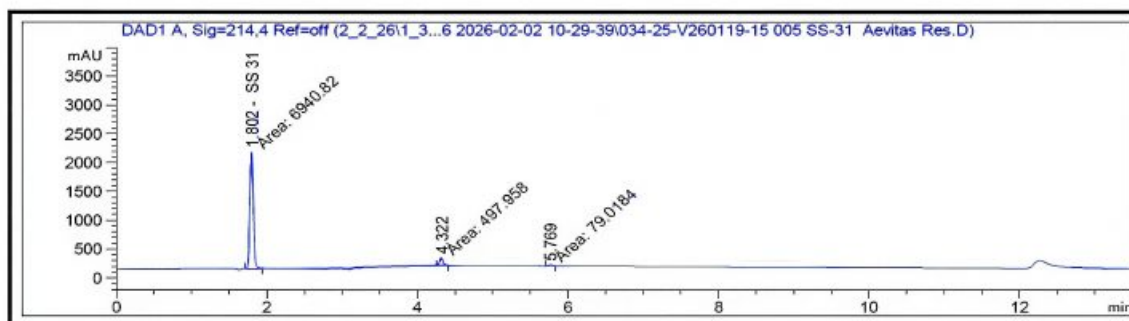
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

SS-31 10 mg

Report To:
Aevitas Research

Compound: SS-31
Quantity: 10 mg
Laboratory ID: V260119-15 005
Lot Number: 251212-BZT-S10-01
Date Reported: 2/3/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	11.10 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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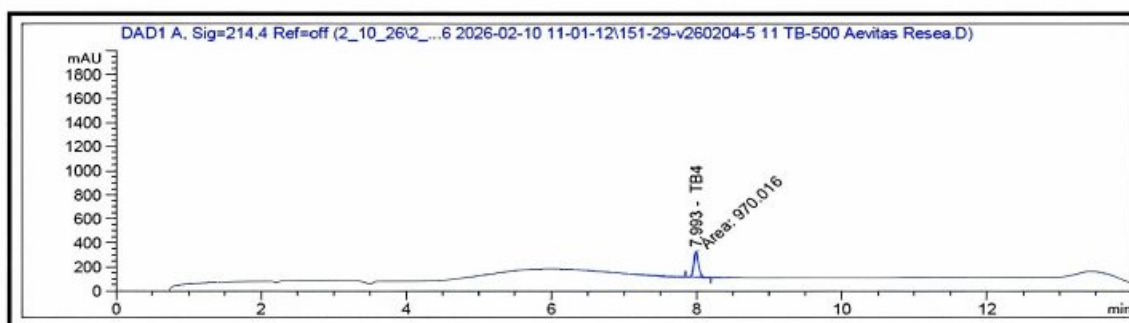
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

TB-500 10 mg

Report To:
Aevitas Research

Compound: TB-500
Quantity: 10 mg
Laboratory ID: V260204-5 011
Lot Number: 260121-BZT-TB10-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	11.48 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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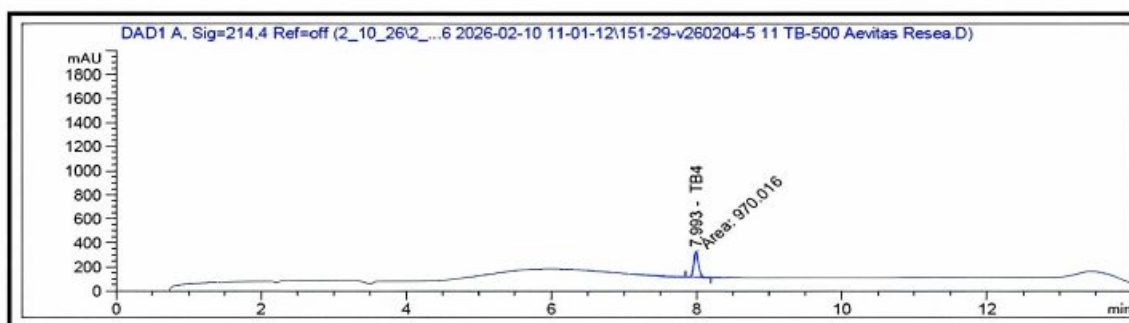
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

TB-500 10 mg

Report To:
Aevitas Research

Compound: TB-500
Quantity: 10 mg
Laboratory ID: V260204-5 011
Lot Number: 260121-BZT-TB10-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	11.48 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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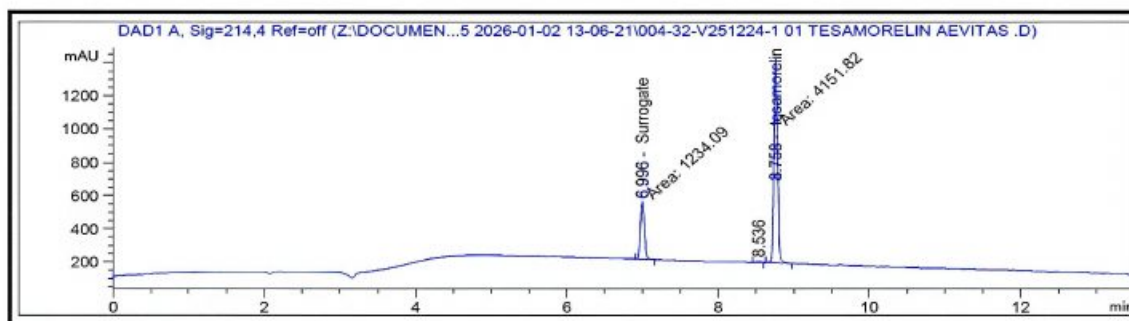
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Tesamorelin 10 mg

Report To:
Aevitas Research

Compound: Tesamorelin
Quantity: 10 mg
Laboratory ID: V251224-1 001
Lot Number: 251212-BZT-TSM10-01
Date Reported: 1/7/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.37% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	10.45 mg



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

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



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.



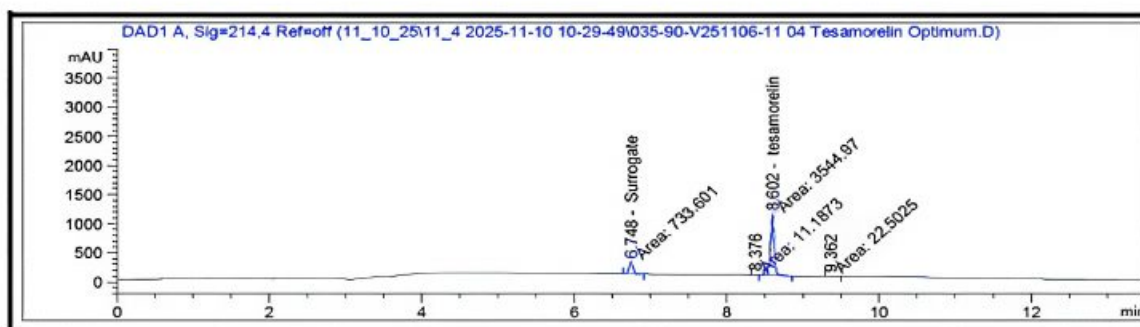
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Tesamorelin 10 mg

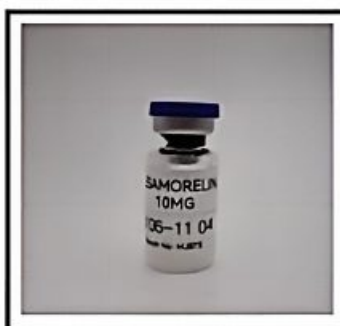
Report To:
Optimum Formula

Compound: Tesamorelin
Quantity: 10 mg
Laboratory ID: V251106-11 004
Lot Number: MJBTS
Date Reported: 11/18/2025



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.06% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	9.63 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 11/18/2025

Approved By: Tori Johnson, Operations Manager on 11/18/2025



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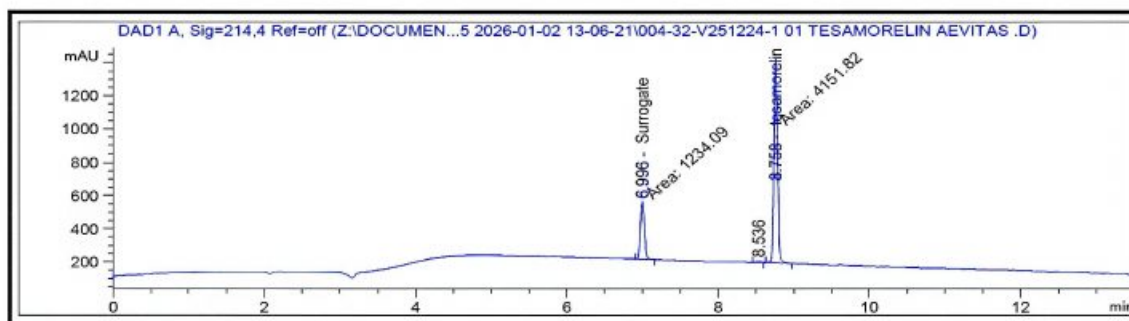
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Tesamorelin 10 mg

Report To:
Aevitas Research

Compound: Tesamorelin
Quantity: 10 mg
Laboratory ID: V251224-1 001
Lot Number: 251212-BZT-TSM10-01
Date Reported: 1/7/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.37% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	10.45 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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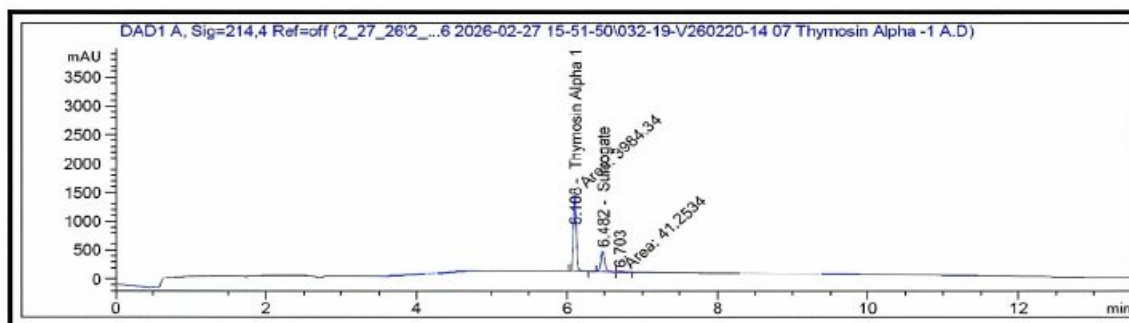
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Thymosin Alpha-1 5 mg

Report To:
Aevitas Research

Compound: Thymosin Alpha-1
Quantity: 5 mg
Laboratory ID: V260220-14 007
Lot Number: 260206-BZT-TA5-01-P
Date Reported: 3/5/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.18% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	7.80 mg



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

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



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.



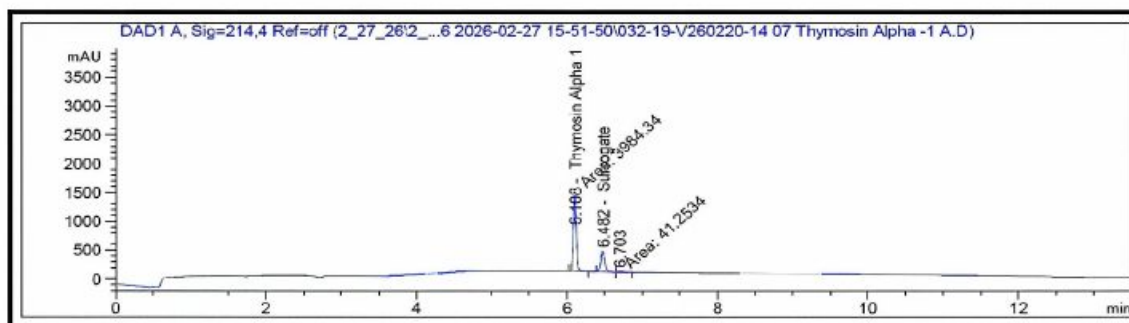
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Thymosin Alpha-1 5 mg

Report To:
Aevitas Research

Compound: Thymosin Alpha-1
Quantity: 5 mg
Laboratory ID: V260220-14 007
Lot Number: 260206-BZT-TA5-01-P
Date Reported: 3/5/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.18% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	7.80 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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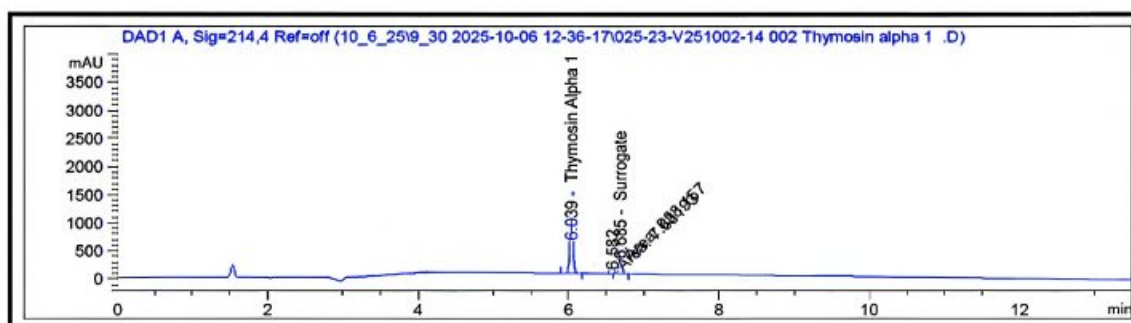
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Thymosin Alpha-1 10 mg

Report To:
Optimum Formula

Compound: Thymosin Alpha-1
Quantity: 10 mg
Laboratory ID: V251002-14 002
Lot Number: CK4LY
Date Reported: 10/14/2025



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	99.73% ± 0.18%
Quantity	HPLC-UV/VIS	11.59 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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vanguardlaboratory.com
testing@vanguardlaboratory.com



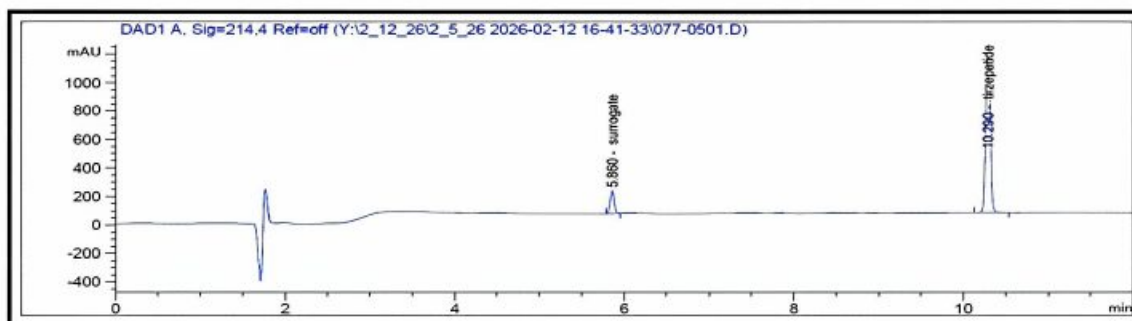
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Tirzepatide 10 mg

Report To:
Aevitas Research

Compound: Tirzepatide
Quantity: 10 mg
Laboratory ID: V260204-5 001
Lot Number: 260121-BZT-TR10-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	9.85 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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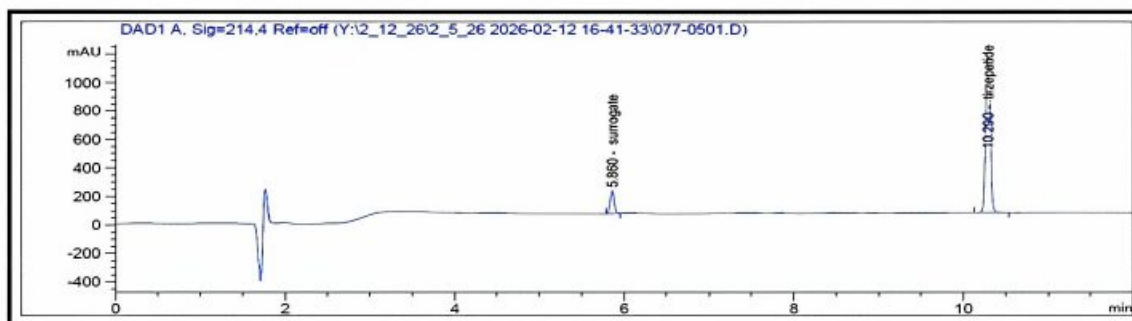
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Tirzepatide 10 mg

Report To:
Aevitas Research

Compound: Tirzepatide
Quantity: 10 mg
Laboratory ID: V260204-5 001
Lot Number: 260121-BZT-TR10-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	9.85 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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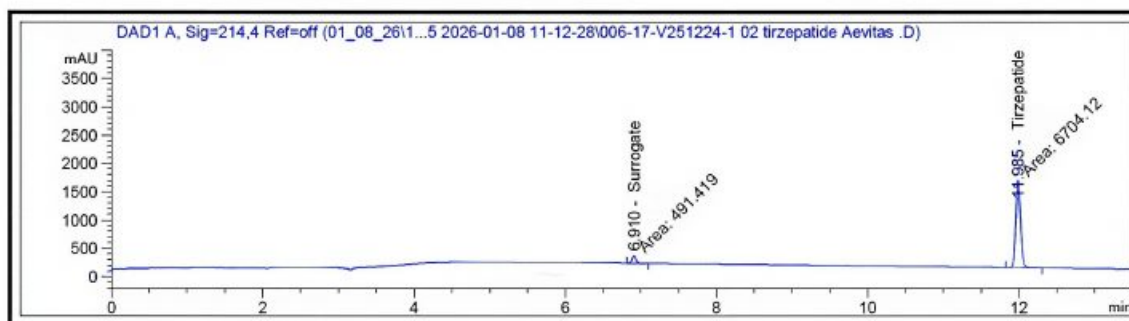
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Tirzepatide 15 mg

Report To:
Aevitas Research

Compound: Tirzepatide
Quantity: 15 mg
Laboratory ID: V251224-1 002
Lot Number: 251212-BZT-TR15-01
Date Reported: 1/7/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	15.25 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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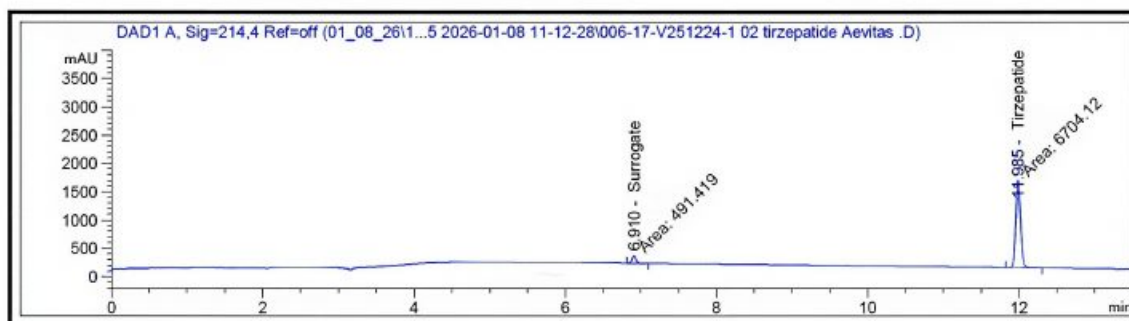
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Tirzepatide 15 mg

Report To:
Aevitas Research

Compound: Tirzepatide
Quantity: 15 mg
Laboratory ID: V251224-1 002
Lot Number: 251212-BZT-TR15-01
Date Reported: 1/7/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	15.25 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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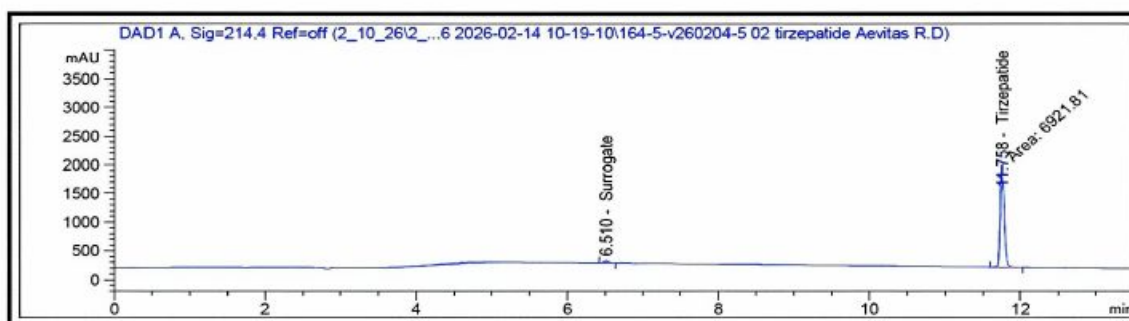
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Tirzepatide 30 mg

Report To:
Aevitas Research

Compound: Tirzepatide
Quantity: 30 mg
Laboratory ID: V260204-5 002
Lot Number: 260121-BZT-TR30-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	40.30 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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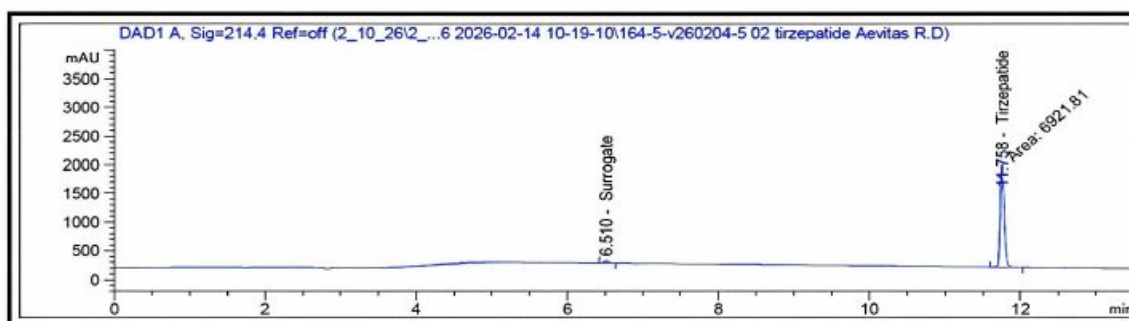
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Tirzepatide 30 mg

Report To:
Aevitas Research

Compound: Tirzepatide
Quantity: 30 mg
Laboratory ID: V260204-5 002
Lot Number: 260121-BZT-TR30-01-P
Date Reported: 2/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% $\pm$ 0.18%
Quantity	HPLC-UV/VIS	40.30 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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