

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-5AMINO1MQ
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	5-Amino-1MQ
CAS No.	14003-96-4
Molecular Formula	C ₁₀ H ₁₁ N ₂ ⁺
Molecular Weight	159.21 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	5AMINO1MQ-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	1.9%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.6%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.4%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

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COA No.	COA-SPL-010326-AOD9604
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	AOD-9604
CAS No.	386264-39-7
Molecular Formula	C ₇₈ H ₁₂₃ N ₂₃ O ₂₃ S ₂
Molecular Weight	1815.12 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	AOD9604-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.3%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.3%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	101.1%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

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COA No.	COA-SPL-010326-BPC157
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	BPC-157
CAS No.	137525-51-0
Molecular Formula	C ₆₂ H ₉₈ N ₁₆ O ₂₂
Molecular Weight	1419.56 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	BPC157-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.1%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.4%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	101.2%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

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COA No.	COA-SPL-010326-BPC157SPRAY
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	BPC-157
CAS No.	137525-51-0
Molecular Formula	C ₆₂ H ₉₈ N ₁₆ O ₂₂
Molecular Weight	1419.56 g/mol
Quantity	1 ML
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	BPC157SPRAY-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2026

Test Item	Specification	Method	Result
Appearance	Clear, colorless solution	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	N/A
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.0%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.8%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
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CERTIFICATE OF ANALYSIS

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COA No.	COA-SPL-010326-CJC1295
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	CJC-1295
CAS No.	863239-62-9
Molecular Formula	C ₁₆₅ H ₂₇₁ N ₄₇ O ₄₆
Molecular Weight	3647.91 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	CJC1295-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.6%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.2%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.8%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

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COA No.	COA-SPL-010326-CJC1295NODAC
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	CJC-1295 no DAC
CAS No.	863288-34-0
Molecular Formula	C ₁₅₂ H ₂₅₂ N ₄₄ O ₄₂
Molecular Weight	3367.9 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	CJC1295NODAC-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.2%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.5%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.6%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

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COA No.	COA-SPL-010326-CJC1295SPRAY
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	CJC-1295
CAS No.	863239-62-9
Molecular Formula	C ₁₆₅ H ₂₇₁ N ₄₇ O ₄₆
Molecular Weight	3647.91 g/mol
Quantity	1 ML
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	CJC1295SPRAY-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2026

Test Item	Specification	Method	Result
Appearance	Clear, colorless solution	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	N/A
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	98.9%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.2%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
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COA No.	COA-SPL-010326-GHKCU
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	GHK-Cu
CAS No.	89030-95-5
Molecular Formula	C ₁₄ H ₂₃ CuN ₆ O ₄
Molecular Weight	340.38 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	GHKCU-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	Blue to blue-green lyophilized powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.8%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.0%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	99.6%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

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COA No.	COA-SPL-010326-GLOW
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	Glow Complex
CAS No.	137525-51-0, 77591-33-4, 89030-95-5
Molecular Formula	C ₆₂ H ₉₈ N ₁₆ O ₂₂ , C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S, C ₁₄ H ₂₃ CuN ₆ O ₄
Molecular Weight	1419.56 g/mol, 4963 g/mol, 340.38 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	GLOW-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	Blue to blue-green lyophilized powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.9%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	98.9%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	99.4%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

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COA No.	COA-SPL-010326-GLP1
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	GLP-1
CAS No.	910463-68-2
Molecular Formula	C ₁₈₇ H ₂₉₁ N ₄₅ O ₅₉
Molecular Weight	4113.58 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	GLP1-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.0%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.4%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.9%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
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COA No.	COA-SPL-010326-GLP2
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	GLP-2
CAS No.	2023788-19-2
Molecular Formula	C ₂₂₅ H ₃₄₈ N ₄₈ O ₆₈
Molecular Weight	4813.53 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	GLP2-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.1%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.3%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.7%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

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COA No.	COA-SPL-010326-GLP3
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	GLP-3
CAS No.	2381089-83-2
Molecular Formula	C ₂₂₃ H ₃₄₃ F ₃ N ₄₆ O ₇₀
Molecular Weight	4731.33 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	GLP3-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.2%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.2%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.6%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-HCG
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	HCG
CAS No.	9002-61-3
Molecular Formula	C ₁₁₀₅ H ₁₇₇₀ N ₃₁₈ O ₃₃₆ S ₂₆
Molecular Weight	36.700 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	HCG-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.7%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.1%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	99.8%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

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COA No.	COA-SPL-010326-HGH176191
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	HGH Fragment 176-191
CAS No.	66004-57-7
Molecular Formula	C ₇₈ H ₁₂₃ N ₂₃ O ₂₂ S ₂
Molecular Weight	1799.1 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	HGH176191-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.4%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.5%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	101.3%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
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COA No.	COA-SPL-010326-HGH176191SPRAY
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	HGH Fragment 176-191
CAS No.	66004-57-7
Molecular Formula	C ₇₈ H ₁₂₃ N ₂₃ O ₂₂ S ₂
Molecular Weight	1799.1 g/mol
Quantity	1 ML
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	HGH176191SPRAY-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2026

Test Item	Specification	Method	Result
Appearance	Clear, colorless solution	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	N/A
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.1%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	101.0%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
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CERTIFICATE OF ANALYSIS

LAB
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COA No.	COA-SPL-010326-IGF1LR3
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	IGF-1 LR3
CAS No.	946870-92-4
Molecular Formula	C ₄₀₀ H ₆₂₅ N ₁₁₁ O ₁₁₅ S ₉
Molecular Weight	9117.5 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	IGF1LR3-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.6%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.3%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.5%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-IGF1LR3SPRAY
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	IGF-1 LR3
CAS No.	946870-92-4
Molecular Formula	C ₄₀₀ H ₆₂₅ N ₁₁₁ O ₁₁₅ S ₉
Molecular Weight	9117.5 g/mol
Quantity	1 ML
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	IGF1LR3SPRAY-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2026

Test Item	Specification	Method	Result
Appearance	Clear, colorless solution	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	N/A
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.0%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.6%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-IPAMORELIN
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	Ipamorelin
CAS No.	170851-70-4
Molecular Formula	C ₃₈ H ₄₉ N ₉ O ₅
Molecular Weight	711.87 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	IPAMORELIN-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.0%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.5%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	101.0%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-IPAMORELINSPRAY
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	Ipamorelin
CAS No.	170851-70-4
Molecular Formula	C ₃₈ H ₄₉ N ₉ O ₅
Molecular Weight	711.87 g/mol
Quantity	1 ML
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	IPAMORELINSPRAY-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2026

Test Item	Specification	Method	Result
Appearance	Clear, colorless solution	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	N/A
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.2%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.9%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-MT2
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	Melanotan II
CAS No.	75921-69-6
Molecular Formula	C ₇₈ H ₁₁₁ N ₂₁ O ₁₉
Molecular Weight	1646.87 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	MT2-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.3%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.2%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.4%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-MOTSC
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	MOTS-c
CAS No.	1627580-64-6
Molecular Formula	C ₁₀₁ H ₁₅₂ N ₂₈ O ₂₂ S ₂
Molecular Weight	2174.64 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	MOTSC-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.5%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.1%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.1%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-NADPLUS
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	NAD+
CAS No.	53-84-9
Molecular Formula	C ₂₁ H ₂₇ N ₇ O ₁₄ P ₂
Molecular Weight	663.43 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	NADPLUS-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	1.2%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.8%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.2%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-PT141
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	PT-141
CAS No.	189691-06-3
Molecular Formula	C ₅₀ H ₆₈ N ₁₄ O ₁₀
Molecular Weight	1025.19 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	PT141-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.4%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.3%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.6%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-PT141SPRAY
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	PT-141
CAS No.	189691-06-3
Molecular Formula	C ₅₀ H ₆₈ N ₁₄ O ₁₀
Molecular Weight	1025.19 g/mol
Quantity	1 ML
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	PT141SPRAY-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2026

Test Item	Specification	Method	Result
Appearance	Clear, colorless solution	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	N/A
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	98.8%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	99.9%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-SELANK
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	Selank
CAS No.	129954-34-3
Molecular Formula	C ₃₃ H ₅₇ N ₁₁ O ₉
Molecular Weight	751.88 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	SELANK-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.1%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.4%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.3%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-SELANKSPRAY
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	Selank
CAS No.	129954-34-3
Molecular Formula	C ₃₃ H ₅₇ N ₁₁ O ₉
Molecular Weight	751.88 g/mol
Quantity	1 ML
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	SELANKSPRAY-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2026

Test Item	Specification	Method	Result
Appearance	Clear, colorless solution	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	N/A
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.1%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.4%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-SLUPP332
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	SLU-PP-332
CAS No.	303760-60-3
Molecular Formula	C ₁₈ H ₁₄ N ₂ O ₂
Molecular Weight	290.3 g/mol
Quantity	1 ML
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	SLUPP332-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2026

Test Item	Specification	Method	Result
Appearance	Clear, colorless to pale yellow solution	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	N/A
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.2%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.3%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-TB500
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	TB-500
CAS No.	77591-33-4
Molecular Formula	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S
Molecular Weight	4963 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	TB500-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.6%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.2%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.5%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-TB500SPRAY
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	TB-500
CAS No.	77591-33-4
Molecular Formula	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S
Molecular Weight	4963 g/mol
Quantity	1 ML
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	TB500SPRAY-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2026

Test Item	Specification	Method	Result
Appearance	Clear, colorless solution	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	N/A
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.0%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.7%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-TESAMORELIN
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	Tesamorelin
CAS No.	901758-09-6
Molecular Formula	C ₂₂₃ H ₃₇₀ N ₇₂ O ₆₉ S
Molecular Weight	5195.91 g/mol
Quantity	10 MG
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	TESAMORELIN-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.5%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.3%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	101.0%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	COA-SPL-010326-TESOFENSINE
Document ID	COA-QC-005 Rev. A
Issue Date	1/03/2026
Product Name	Tesofensine
CAS No.	195875-84-4
Molecular Formula	C ₁₇ H ₂₃ Cl ₂ NO
Molecular Weight	3.277 g/mol
Quantity	1 ML
Manufacturer / Supplier	Smart Peptides Labs
Batch / Lot No.	TESOFENSINE-122825
Production Date	12/28/2025
Retest / Expiry Date	12/28/2026

Test Item	Specification	Method	Result
Appearance	Clear to slightly opalescent solution	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	N/A
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.5%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	100.1%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	J. Mitchell
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/03/2026