pH SOLUTIONS

pH Solutions, LLC
181 W. Huntington Dr. #106, Monrovia, CA 91016
(626) 734-6620 · www.phsolutionslab.com
ISO/IEC 17025:2017 Accredited · ilac-MRA · PJLA #84351

Certificate of Analysis

COA **AMN-COA-tsm-20260817-08**
Lot **AMN-tsm-20260817-08** · Issued **Sep04,2026**

Tesamorelin

10 mg/vial · AMN-V-TSM-10 ·

● RELEASED

CAS **218949-48-5** Formula **C221H366N72O67S** MW **5135.9 g/mol**

SAMPLE INFORMATION

SAMPLE NAME	MANUFACTURED	REPORT DATE
Tesamorelin 10 mg vial	17-Aug-2026	Sep04,2026
LOT NUMBER	EXPIRATION	
AMN-tsm-20260817-08	17-Aug-2027	
SAMPLE MATRIX	TARGET FILL	
Lyophilized peptide	10.00 mg per vial	
INTENDED USE		
Research use only		

PURITY	WATER ACTIVITY	MICROBIALS
99%	0.40 aw	Not detected
TESTED · HPLC @ 274 nm	PASS · aw	PASS · qPCR

1. Results Summary

ALL PARAMETERS CONFORM

TEST	METHOD	SPECIFICATION	RESULT	STATUS
Purity	HPLC @ 274 nm, area %	≥99%	**99%**	TESTED
Microbials	qPCR	Aerobic count, Enterobacteriaceae, yeast & mold: not detected in 1 g	Not Detected	PASS
Water Activity	Water Activity Meter	<0.65 aw (threshold for microbial growth)	0.40 aw	PASS

2. Methods and Notes

What each test measures and why it is on this certificate

Purity · HPLC @ 274 nm, area %

Measures what fraction of the material is the complete target peptide vs. synthesis byproducts, truncated sequences, or degradation products. High purity ensures the results reflect the intended compound and ensures identity by confirming retention time during this test aligns with a certified reference standard.

Water Activity · Water Activity Meter

Lyophilized peptides absorb atmospheric moisture, which dilutes the active content per mg and accelerates degradation. Knowing water content allows researchers to calculate the true peptide mass when preparing solutions for experiments.

Microbials · qPCR

Confirms the finished vial is free of viable bacteria, Enterobacteriaceae, yeast, and mold. Microbial contamination in reconstituted peptide solutions can invalidate cell-based and in vivo research results.

3. Authorization and Release

● RELEASED

ND = Not Detected · NT = Not Tested · LOD = Limit of Detection · LOQ = Limit of Quantitation · TESTED = result reported, no acceptance limit applied · PASS / FAIL = judged against the stated limit. Results relate only to the lot tested.

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TESTED AND CERTIFIED BY

Raquel Keledjian

Raquel Keledjian
Laboratory Director, pH Solutions, LLC
ISO/IEC 17025:2017 · Accreditation #84351

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