pH SOLUTIONS

CERTIFICATE OF ANALYSIS

260824-899-NHS-1

Issued Sep 29, 2026

SAMPLE

PT-141

Prepared for **Peptology Labs** · Lot **PLB-PT1-20260817-09**

PASS

ISO/IEC 17025:2017 ACCREDITED

A2LA R243 · PJLA Testing #84351 · Zero recalls since 2016

181 W Huntington Dr, Suite 181, Monrovia, CA 91016 · (818) 808-9757

BATCH / LOT	SAMPLE ID	MATRIX	PANELS RUN
PLB-PT1-20260817-09	260824-899-NHS-1	—	10
RECEIVED	**ANALYZED**	**REPORTED**	**CLIENT**
Aug 24, 2026	—	Sep 29, 2026	Peptology Labs

REPORT INFORMATION

ANALYTE	RESULT	UNIT	LIMIT / METHOD	STATUS
Laboratory certificate number	260824-899-NHS-1			TESTED
Customer certificate identifier	SIM-NHS-PT1-20260817-09			TESTED
Customer report number	SIM-NHS-PT1-20260817-09			TESTED
Report date	2026-09-29			TESTED

IDENTITY

ANALYTE	RESULT	UNIT	LIMIT / METHOD	STATUS
Identity	Match			PASS
Expected MW	1025.2 g/mol			TESTED
Molecular formula	C50H68N14O10			TESTED
CAS	189691-06-3			TESTED

PEPTIDE PURITY

ANALYTE	RESULT	UNIT	LIMIT / METHOD	STATUS
Purity	99 %			PASS
Wavelength (nm)	294 nm			PASS
By mass	18.70 %			TESTED

ASSAY

ANALYTE	RESULT	UNIT	LIMIT / METHOD	STATUS
Net content	10.1121 mg/vial			PASS
Appearance	White to off-white lyophilized powder cake; free of visible particulates			TESTED
Water content (KF)	1.352 %			TESTED
pH	7.0			TESTED

WATER ACTIVITY

ANALYTE	RESULT	UNIT	LIMIT / METHOD	STATUS
Water activity	0.2356 aw			PASS

MICROBIALS

ANALYTE	RESULT	UNIT	LIMIT / METHOD	STATUS
E. Coli	Not Detected in 1g			PASS
Salmonella spp.	Not Detected in 1g			PASS
Aspergillus flavus	Not Detected in 1g			PASS
Aspergillus fumigatus	Not Detected in 1g			PASS
Aspergillus niger	Not Detected in 1g			PASS
Aspergillus terreus	Not Detected in 1g			PASS
Yeast & Mold	Not Detected in 1g			PASS
Coliforms	Not Detected in 1g			TESTED
Aerobic Bacteria	Not Detected in 1g			PASS
Enterobacteriaceae	Not Detected			PASS
Microbials panel	PASS			PASS

HEAVY METALS

ANALYTE	RESULT	UNIT	LIMIT / METHOD	STATUS
Arsenic	0.000 ppm			PASS
Cadmium	0.000 ppm			PASS
Lead	0.000 ppm			PASS
Mercury	0.000 ppm			PASS
Heavy metals panel	PASS			PASS

RESIDUAL SOLVENTS

ANALYTE	RESULT	UNIT	LIMIT / METHOD	STATUS
Acetone	0.000 ppm			PASS
Acetonitrile	0.000 ppm			PASS
Ethanol	0.000 ppm			PASS
Ethyl Acetate	0.000 ppm			PASS
Isopropyl Alcohol	0.000 ppm			PASS
Methanol	0.000 ppm			PASS
Toluene	0.000 ppm			PASS
Benzene	0.000 ppm			PASS
Butane	0.000 ppm			PASS
Chloroform	0.000 ppm			PASS
Ethyl Ether	0.000 ppm			PASS
Trichloroethylene	0.000 ppm			PASS
Residual solvents panel	PASS			PASS

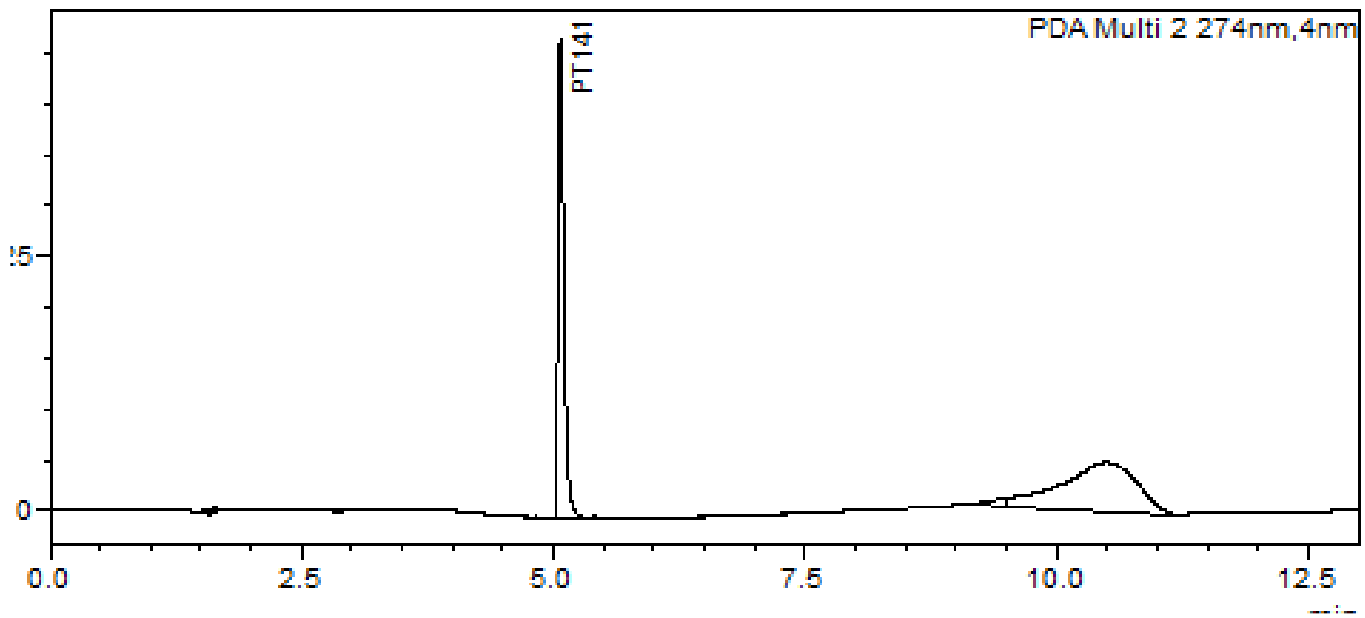
ADDITIONAL REPORTED PANEL OUTCOMES

ANALYTE	RESULT	UNIT	LIMIT / METHOD	STATUS
Sterility	Pass			PASS
Mycotoxins	Pass			PASS

CONTENT AND RECOVERY

ANALYTE	RESULT	UNIT	LIMIT / METHOD	STATUS
Recovery	101.121 % nominal			PASS
Component nominal amounts	PT1: 10 mg			TESTED
Net peptide content outcome	Pass			PASS
Net peptide content (mg/g)	59.6 mg/g			TESTED

CHROMATOGRAM



PH SOLUTIONS LAB INC.

Analysis performed in accordance with ISO/IEC 17025:2017. Results relate only to the sample as submitted. This certificate may not be reproduced except in full without the written approval of the laboratory. The online copy at the address beside is authoritative: if a printed COA disagrees with it, the online copy governs. Questions: info@phsolutionslab.com · (818) 808-9757.

SCAN TO VERIFY

www.phsolutionslab.com/c/eyJjIjoiMjYwODI0LTg5OS1OSFMtMSIsInAiOiJQZXB0b2xvZ3kgTGFicyIsImwiOiJQTEItUFQxLTIwMjYwODE3LTA5In0.ZRXQH5lZTiKJgWJi40wed273olcibIaN