



CERTIFICATE OF ANALYSIS

REPORT NUMBER ONE-2026-785A74

VERIFICATION CODE 2G92IV0

VERIFY AT UNITEDLABORATORIES.ORG

Client: ONE AMINOS

Sample information

PRODUCT	PT-141	ACTIVE IDENTITY	Bremelanotide (PT-141)
BATCH / LOT NUMBER	PT10-2	LABORATORY SAMPLE ID	2026-785A74
LABELED QUANTITY	10 mg	FORM	Lyophilized powder
CAS NUMBER	189691-06-3	MOLECULAR FORMULA	C50H68N14O10
CAP COLOR	White	CRIMP COLOR	Silver
DATE RECEIVED	08/27/2026	DATE REPORTED	09/03/2026

Test results

Test	Reference standard	Result	Status
Batch Avg Purity	> 98%	99.520%	PASS
Batch Avg Net Content	~ 10 mg	10.69 mg	PASS
Identity Confirmation (LC-MS)	Matches label	Bremelanotide (PT-141)	PASS
Endotoxin Safety Screen	<= 0.5 EU/mL	< 0.07 EU/mL	PASS
Microbial Sterility Screen	No Growth	No Growth	PASS
pH	4.5-7.0	5.7	PASS

Heavy metal screening

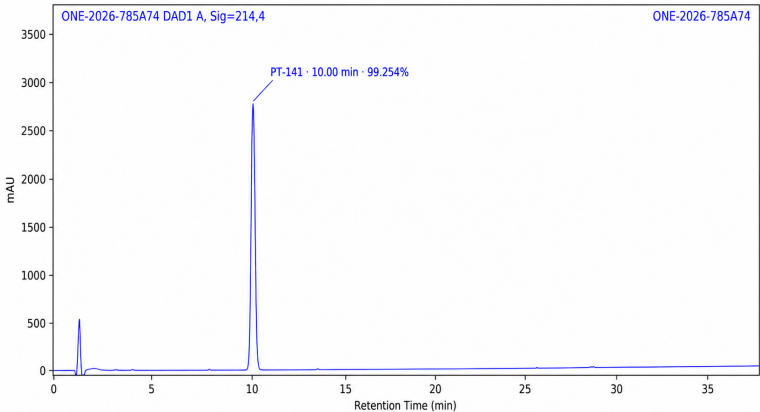
Analyte	Result	Status
Lead (Pb)	< 0.5	PASS
Arsenic (As)	< 0.15	PASS
Cadmium (Cd)	< 0.05	PASS
Mercury (Hg)	< 0.3	PASS

Conformity Results

Vial	Purity (%)	Net content (mg)
Vial 1	99.254	10.81
Vial 2	99.786	10.56
Batch average	99.520%	10.69

Chromatogram

RP-HPLC | DAD @ 214 nm | Laboratory chromatogram reviewed with source data



Sample vial



Review status: The analytical data, chromatogram and sample image were reviewed and authorised for issuance by Bhavrat Singh, Lab Director, on 03 September 2026.



MICROBIOLOGICAL / STERILITY TESTING

REPORT NUMBER ONE-2026-785A74

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Client and sample information

CLIENT	ONE AMINOS	SAMPLE NAME	PT-141
BATCH / LOT NUMBER	PT10-2	LABORATORY SAMPLE ID	2026-785A74
DATE RECEIVED	08/27/2026	DATE REPORTED	09/03/2026

Test methodology

Rapid Sterility Screening Method. The sample was reconstituted and incubated in growth media under controlled conditions, with cultures monitored for microbial growth. Full compendial sterility testing may be required for regulatory use.

Test results

Test parameter	Specification	Result	Status
Bacteria (Aerobic/Anaerobic)	No Growth	No microbial growth detected	PASS
Fungi / Yeast	Not Detected	Not Detected	PASS

Test conditions

INCUBATION PERIOD	2 days	TEMPERATURE	30-35 deg C
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FINAL DETERMINATION: PASS - AUTHORISED BY LAB DIRECTOR

Review record

DATE REPORTED	09/03/2026	REPORT NUMBER	ONE-2026-785A74
VERIFICATION CODE	2G92IV0	PUBLICATION STATUS	Authorised
LAB DIRECTOR	Bhavrat Singh	REVIEW DATE	03 September 2026



HEAVY METALS ANALYSIS

REPORT NUMBER ONE-2026-785A74
VERIFICATION CODE 2G92IV0
VERIFY AT UNITEDLABORATORIES.ORG

ICP-MS analytical results

Client and sample information

CLIENT	ONE AMINOS	DATE REPORTED	09/03/2026
PRODUCT NAME	PT-141	STRENGTH	10 mg
BATCH / LOT	PT10-2	LABORATORY SAMPLE ID	2026-785A74
VERIFICATION CODE	2G92IV0	CONDITION	Lyophilized powder

Test methodology

TEST PERFORMED	Elemental Impurities Analysis	INSTRUMENT	ICP-MS
SAMPLE PREPARATION	HNO3 / H2O2 matrix	CALIBRATION	Multi-element standard curve
INTERNAL STANDARD	Sc, Ge, In, Bi	MATERIAL TYPE	Research-use material

Elemental impurities results

Element	Result	Acceptance limit	Status
Lead (Pb)	< 0.5	<= 10	PASS
Arsenic (As)	< 0.15	<= 1.5	PASS
Cadmium (Cd)	< 0.05	<= 0.5	PASS
Mercury (Hg)	< 0.3	<= 3	PASS

Method suitability - spike recovery

Element	Spike level	Recovery	Criteria
Lead (Pb)	5 ppm	98%	70-150%
Arsenic (As)	0.75 ppm	102%	70-150%
Cadmium (Cd)	0.25 ppm	95%	70-150%
Mercury (Hg)	1.5 ppm	91%	70-150%

Quality control and interpretation

Quality Control: Method Blank: Pass | CCV: Pass | Duplicate RPD: < 20%

The recorded results are below the stated limits, and the recovery and quality-control values meet their stated criteria. The underlying laboratory data and this report were reviewed and authorised by the Lab Director.



BACTERIAL ENDOTOXIN ANALYSIS

REPORT NUMBER ONE-2026-785A74
VERIFICATION CODE 2G92IV0
VERIFY AT UNITEDLABORATORIES.ORG

USP <85> - Kinetic Turbidimetric LAL

Client and sample information

CLIENT	ONE AMINOS	DATE REPORTED	09/03/2026
PRODUCT NAME	PT-141	STRENGTH	10 mg
BATCH / LOT	PT10-2	LABORATORY SAMPLE ID	2026-785A74
VERIFICATION CODE	2G92IV0	CONDITION	Lyophilized powder

Test methodology

TEST PERFORMED	Bacterial Endotoxin Test	COMPENDIAL REFERENCE	USP <85>
ASSAY TYPE	Kinetic turbidimetric LAL	DETECTION WAVELENGTH	660 nm
DETECTION RANGE	0.01-1.0 EU/mL	ENDOTOXIN STANDARD	E. coli O111:B4
DILUTION VOLUME	2.0 mL	MATRIX	LAL Reagent Water

Quantitative results

Parameter	Result
Endotoxin Level	< 0.07 EU/mL
Acceptance Limit	<= 0.5 EU/mL
Sample CV (%)	3.5%
Spike CV (%)	3.8%
Spike Recovery (%)	106%
Recorded Determination	PASS (reported)

Controls

Control	Expected	Observed	Status
Positive Control	Detectable	As expected	PASS (reported)
Negative Control	No signal	As expected	PASS (reported)

FINAL DETERMINATION: PASS - AUTHORISED BY LAB DIRECTOR

Interpretation and review

The recorded result is below the stated limit using the kinetic turbidimetric LAL method at 660 nm, and the precision and spike-recovery values support the reported determination. Both controls passed. The underlying data and this report were reviewed and authorised by the Lab Director.

Laboratory review

Lab Director: Bhavrat Singh	
Authorised signature: <i>Bhavrat Singh</i>	Review date: 03 September 2026