



ELLSWORTH LABS

Certificate of Analysis

PHOENIX, ARIZONA, UNITED STATES

REPORT **ELTJS-26-GJQPWN** REVISION **1** ISSUED **2026-08-18**

Client and sample

CLIENT peptidomexico.com.mx		SAMPLE ID EL25VTXG7BCP	DECLARED IDENTITY Epithalon
DECLARED LOT / BATCH PMXEP5260810	DECLARED STRENGTH 5.0 mg per vial	DECLARED FORM Lyophilized powder	RECEIVED 2026-08-10
QUANTITY RECEIVED 3 vials	CONDITION ON RECEIPT Intact, sealed		

Analytical results

TEST	RESULT	SPECIFICATION	STATUS	METHOD
Appearance	White lyophilized cake, intact and free of visible foreign matter	Conforms to specification	PASS	EL-PH-804 rev 5 Appearance and visual description
Accurate-mass agreement — Epithalon	-1.3 ppm 390.1382 Da observed · 390.1387 Da theoretical	Within ± 5 ppm of theoretical	PASS	EL-ID-102 rev 3 Peptide accurate-mass characterization and agreement assessment
Chromatographic purity	99.55 % area	NLT 98.0 % area	PASS	EL-PU-201 rev 5 Chromatographic purity and related substances
Total related substances	0.45 % area	NMT 2.0 % area	PASS	EL-PU-201 rev 5 Chromatographic purity and related substances
Net peptide content	5.13 mg/vial	4.75 – 5.25 mg/vial	PASS	EL-CT-301 rev 2 Specific peptide assay against reference standard

TEST	RESULT	SPECIFICATION	STATUS	METHOD
Water content	4.1 % w/w	NMT 5.0 % w/w	PASS	EL-CO-404 rev 5 Water determination by coulometric titration
Counterion content	14.8 % w/w	NMT 20.0 % w/w	PASS	EL-CO-403 rev 3 Counterion determination
Residual solvents	202 ppm	NMT 5000 ppm	PASS	EL-GC-504 rev 2 Residual solvent determination by headspace GC-MS
Elemental impurities	2.7 µg/g	NMT 5.0 µg/g	PASS	EL-EI-603 rev 1 Elemental impurities by tandem mass spectrometry
Bacterial endotoxins	< 0.05 EU/mg	NMT 1.0 EU/mg	PASS	EL-MB-701 rev 3 Bacterial endotoxins: kinetic chromogenic assay
Sterility	No growth in either medium at 14 days	No growth in either medium at 14 days	PASS	EL-MB-708 rev 3 Sterility test by membrane filtration

Conclusion

PASS The submitted sample met the specifications tested.

Review, release and verification

ANALYST

J. Brown

QUALITY RELEASE

D. Howard



VERIFY AT
ellsworthlabs.com/v
VERIFICATION KEY
VNYD-XYZR-Q14B

RECORD DIGEST · SHA-256

12B5 BA47 A105 4601 6B9A A415 81B0 3D8B
8D77 5C16 0877 2248 27A4 EB21 B173 711B

Digest of this certificate's canonical record. The verification page recomputes it from the stored record and displays it for comparison; if a single character of the content above were altered, this value would not match.

Determinations were performed under Ellsworth Labs internal procedures following the United States Pharmacopeia chapters cited against each result, under cGMP-aligned documentation practice.