

PREPARED FOR H&J Pharma	CLIENT WEBSITE vietnam-peptides.com	DISTRIBUTION Client confidential
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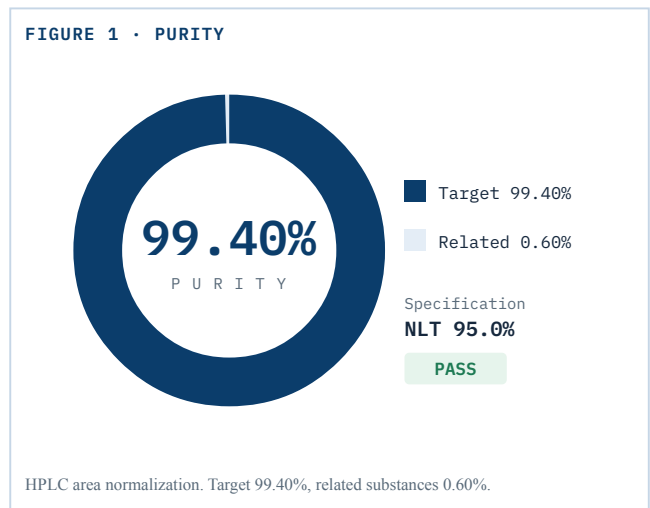
1 SAMPLE & ACCESSION

ANALYTE / IDENTITY Epithalon (Epitalon)	CAS NUMBER 307297-39-8	MOLECULAR FORMULA C14H22N4O9	MOLECULAR MASS (DA) 390.35
SUBSTANCE CLASS Tetrapeptide, AEDG	REFERENCE-DATA CONFIDENCE High	LOT NUMBER EPI-2026-0727-5905	LABELED CONTENT 10 mg
ACCESSION NO. ACC-2026-0816-EPI-3243	SAMPLE MATRIX Lyophilized	APPEARANCE Conforms	STORAGE -20 °C, protected from light
MANUFACTURED 07/27/2026	RETEST / EXPIRY 07/27/2028	DATE RECEIVED 08/11/2026	DATE ANALYZED 08/14/2026
RECONSTITUTION VOLUME 1.0 mL	DISPOSITION RELEASED		

	PURITY 99.40% PASS	IDENTITY Confirmed PASS	NET COMPOUND 10.03 mg REPORTED	MOISTURE 2.10% PASS
	STERILITY No Growth PASS	ENDOTOXIN 0.158 PASS	HEAVY METALS ND PASS	

2 PURITY, QUANTITATION & IDENTITY HPLC · HPLC-RTM · LC-MS

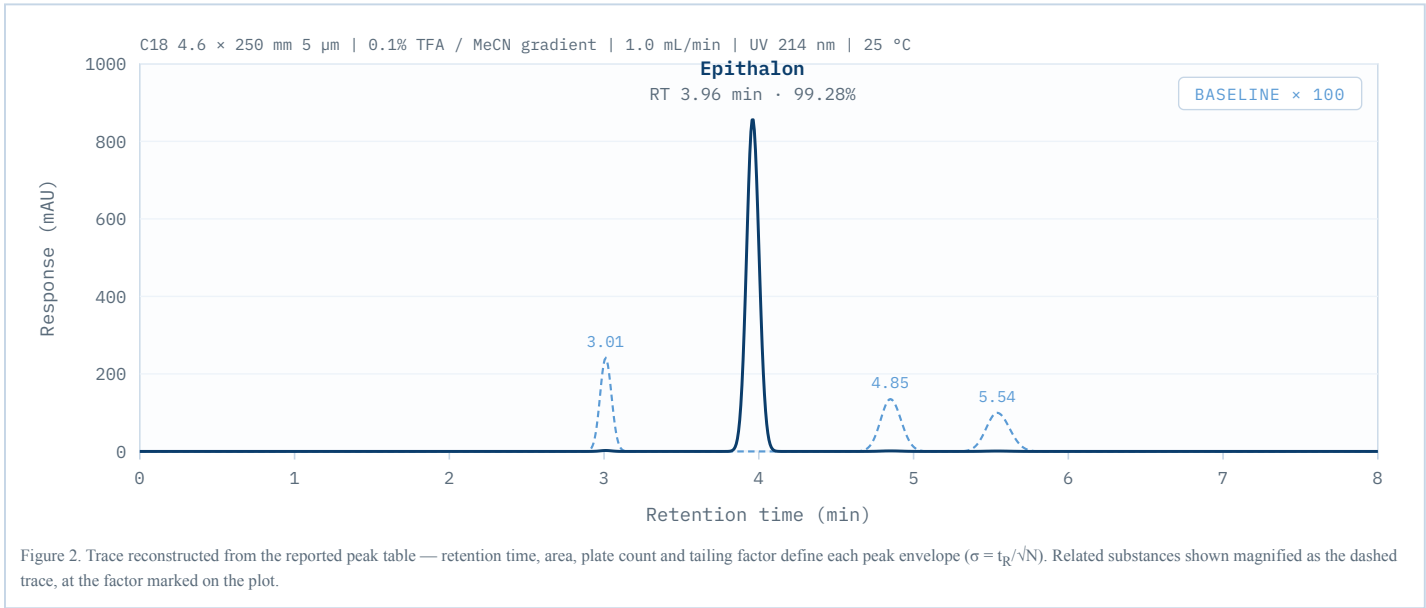
PARAMETER	METHOD	SPECIFICATION	RESULT	UNIT	STATUS
Assay purity (HPLC)	RP-HPLC-UV 214 nm	NLT 95.0%	99.40	%	PASS
Net compound content	HPLC / AAA	Report only	10.03	mg	REPORTED
Identity (HPLC-RTM)	Retention-time match	Co-elution	Confirmed	—	PASS
Targeted adulterant / unexpected analyte screen	LC-MS full-scan review	No unexpected exogenous analyte detected	Not Detected	—	PASS



Chromatographic purity of 99.40% is measured against a not-less-than 95.0% release criterion.
Net compound content of 10.03 mg is reported against a nominal 10 mg label claim.

3 REPRESENTATIVE CHROMATOGRAM

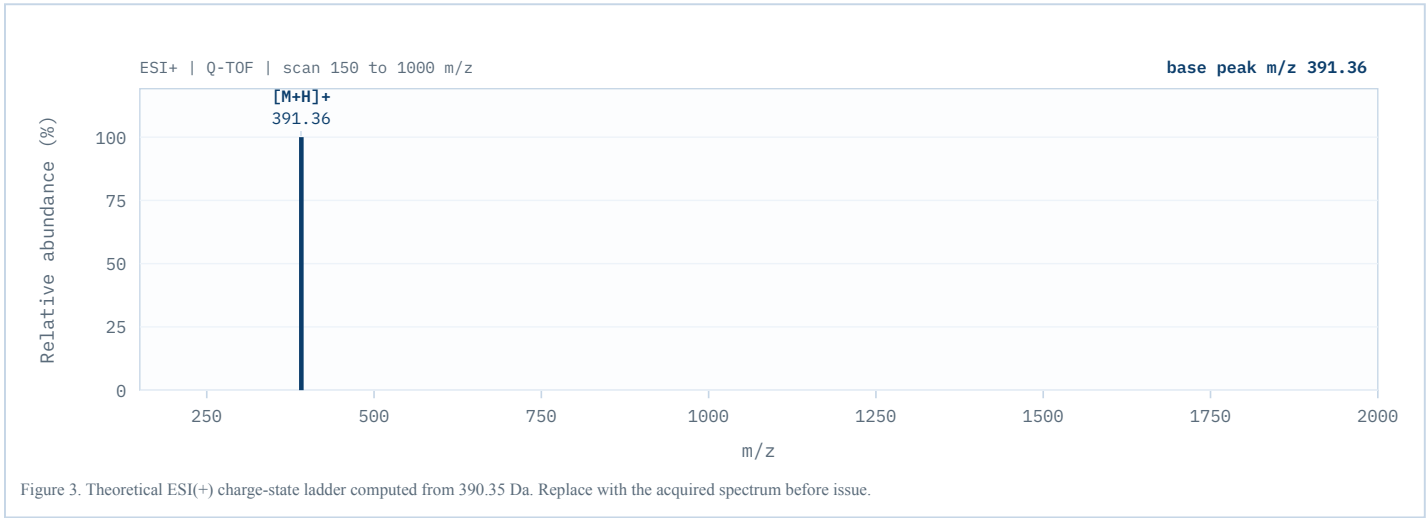
RP-HPLC-UV



PEAK	RT (MIN)	AREA (µAU·S)	AREA %	PLATES (N)	TAILING
Epithalon (principal)	3.96	4,964,000	99.28	10,626	1.06
Related substance 1	3.01	12,872	0.26	7,164	1.06
Related substance 2	4.85	12,670	0.25	6,039	1.09
Related substance 3	5.54	10,500	0.21	6,259	1.13
Total	—	5,000,042	100.00	—	—

4 MASS CONFIRMATION

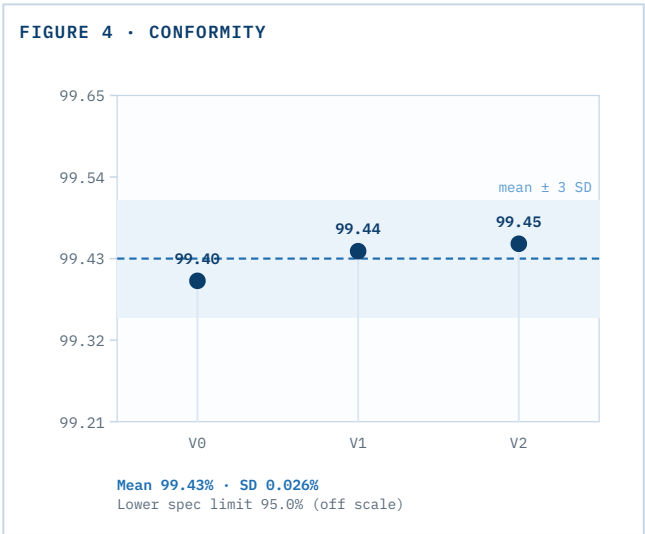
LC-MS, ESI positive



5 BATCH CONFORMITY

three independently sampled units

UNIT	PURITY (%)	NET CONTENT (MG)	IDENTITY	STATUS
V0 (dedicated)	99.40	10.03	Confirmed	PASS
V1	99.44	10.00	Confirmed	PASS
V2	99.45	10.06	Confirmed	PASS



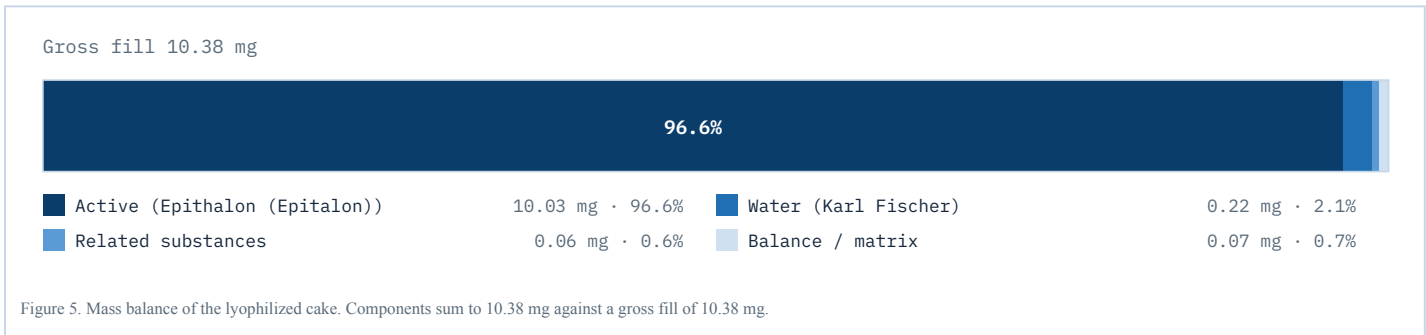
6 COMPOSITION, MOISTURE & COUNTERION

KF · IC · USP <467>

PARAMETER	METHOD	SPECIFICATION	RESULT	UNIT	STATUS
Net compound content	HPLC / AAA	Report only	10.03	mg	REPORTED
Water (Karl Fischer)	USP <921>	NMT 8.0% w/w	2.10	% w/w	PASS
Counterion	—	Not applicable	N/A	—	REPORTED
Residual solvents (TFA)	USP <467> headspace GC	Not Detected	ND	—	PASS
Gross fill weight	Gravimetric	Report only	10.38	mg	REPORTED

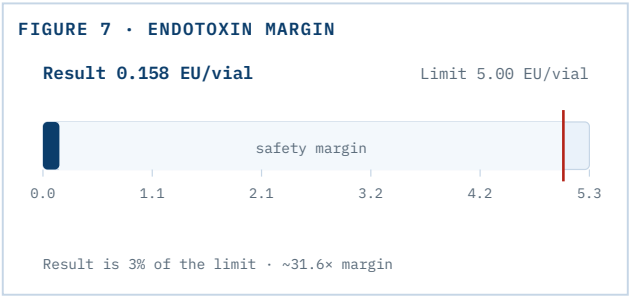
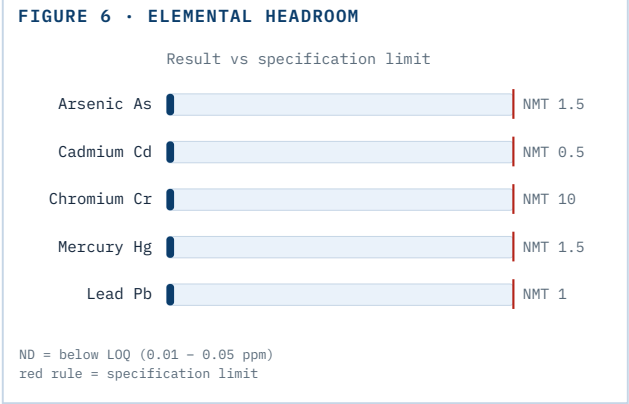
7 MASS BALANCE PER VIAL

components must sum to the gross fill



8 SAFETY & CONTAMINATION CONTROLS ICP-MS · USP <71> <61> <85>

PARAMETER	SPECIFICATION	RESULT	STATUS
Arsenic (As)	NMT 1.5 ppm	Not Detected	PASS
Cadmium (Cd)	NMT 0.5 ppm	Not Detected	PASS
Chromium (Cr)	NMT 10 ppm	Not Detected	PASS
Mercury (Hg)	NMT 1.5 ppm	Not Detected	PASS
Lead (Pb)	NMT 1 ppm	Not Detected	PASS
Sterility	No Growth (USP <71>)	No Growth	PASS
Bioburden	< 10 CFU/mL (USP <61>)	< 1	PASS
Bacterial endotoxin	NMT 5.00 EU/vial (derived)	0.158	PASS



9 FOR THE RECIPIENT

plain-language summary

Purity (HPLC)	Percent of the main peak relative to all detected peaks.	Net compound content	Measured mass of active, separate from water and salt.
NMT / NLT	Not more than / not less than — an acceptance limit.	Not Detected	Below the method limit of quantitation (LOQ).
EU/vial	Endotoxin units per vial, derived from the declared reconstitution volume.	RRT	Relative retention time; an impurity position versus the main peak.
Counterion	The salt partner of the peptide.	Karl Fischer	Titration for residual water (USP <921>).

Storage. Store the sealed lyophilized vial at -20 °C, protected from light. Reconstituted solution is stable at 2-8 °C; use within 30 days. **Reconstitution.** Add bacteriostatic or sterile water down the vial wall, swirl gently, do not shake. **Handling.** Research use only; not for human or veterinary use.

11 AUTHORIZATION

Laboratory Director

Name: Alejandro Navarro
Date: 08/16/2026

Quality Assurance

Name: Oliver Bennett
Date: 08/18/2026



AUTHENTICATE THIS CERTIFICATE

Scan the code or verify at <https://labcentro.com/coa-verification/?cert=COA-2026-0816-EPI-3243&code=QUGCPPZL>
Verification ID: QUGCPPZL

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