

CERTIFICATE OF ANALYSIS / BATCH RELEASE & IDENTITY VERIFICATION

Epithalon 10mg

Ala–Glu–Asp–Gly synthetic tetrapeptide (Epitalon / AEDG) · sterile-filled lyophilised powder, released against independent third-party HPLC, LC–MS and endotoxin analysis.

PRODUCT Epithalon 10mg Lyophilised powder	LOT · BATCH PH-EP10-0327 Single production lot	TESTING LABORATORY Independent Third-party laboratory	REPORT DATE 12 March 2026
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HPLC–UV PURITY 99.80% Mean of two vials · 99.74% / 99.85% ● MEETS RELEASE SPEC	IDENTITY LC–MS confirmation	Epitalon Confirmed
	NET PEPTIDE CONTENT Mean of two vials	11.52mg ≥ 10mg
	BACTERIAL ENDOTOXIN LAL · USP <85>	Pass ≤0.05 EU/mL

01 PURITY · IDENTITY · CONTENT · ENDOTOXIN

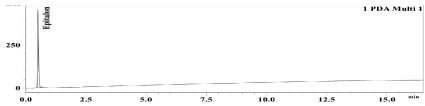
Analytical Results

TEST	METHOD	RESULT	RELEASE SPECIFICATION	STATUS
Identity Peptide confirmation	LC–MS	Epitalon · [M+H] ⁺ m/z 391.2	Conforms to reference mass	PASS
Chromatographic Purity Main peak, area %	HPLC–UV	99.80% Vial 1 · 99.74% Vial 2 · 99.85%	≥ 98.0%	PASS
Net Peptide Content Mean of two vials	Gravimetric	11.52mg Vial 1 · 11.99mg Vial 2 · 11.04mg	≥ 10.0mg (label claim)	PASS
Bacterial Endotoxin Replicate 1 & 2	LAL · USP <85>	Pass / Pass Assay sensitivity ≤ 0.05 EU/mL	≤ 0.05 EU/mL	PASS
Appearance Visual inspection	Visual	White lyophilised powder Sterile-filled, sealed vial	White cake / powder	PASS

Methods. Purity by high-performance liquid chromatography with UV detection (HPLC–UV); identity by liquid chromatography–mass spectrometry (LC–MS). Bacterial endotoxin by Limulus Amebocyte Lysate (LAL) assay in accordance with USP <85> under validated laboratory conditions, assay sensitivity ≤ 0.05 EU/mL. **Status** is assessed against acceptance criteria set by Eira London for research-grade (RUO) release. **Epithalon** and **Epitalon** denote the same AEDG tetrapeptide.

02 INSTRUMENT TRACES

Chromatogram & Mass Confirmation

CHROMATOGRAM	HPLC–UV / PDA	MASS CONFIRMATION	LC–MS
	Single dominant peak eluting <1 min, integrated at 99.80% of total area. No significant co-eluting impurities.		Protonated molecular ion [M+H] ⁺ observed at m/z 391.2, consistent with the Epitalon reference standard.

Released for research use. This batch conforms to Eira London’s research-grade release specification on the basis of the independent analytical data above. Certificate refers only to the lot and sample(s) tested.

Eira London

AUTHORISED — QUALITY & COMPLIANCE
Batch released 12 March 2026



eira london

MODERN HEALTH SCIENCE, REFINED

eiralondon.com

Batch COA available on request

Quote lot PH-EP10-0327

Research Use Only. The material described is supplied strictly for laboratory research use and is **not** approved for human or veterinary use, nor for diagnostic, therapeutic or clinical application. Analysis was performed by an independent third-party laboratory under standard laboratory conditions; results are specific to the sample(s) provided and should be interpreted by qualified professionals within the scope of the intended research. Accuracy may be influenced by sample integrity, handling and other experimental variables. This certificate does not constitute a medical or clinical claim.