



REPORT NUMBER ONE-2026-91A701

VERIFICATION CODE AYVCOJ4

VERIFY AT UNITEDLABORATORIES.ORG

CERTIFICATE OF ANALYSIS

Client: ONE AMINOS

Sample information

|                    |             |                      |                    |
|--------------------|-------------|----------------------|--------------------|
| PRODUCT            | Epithalon   | ACTIVE IDENTITY      | Epithalon          |
| BATCH / LOT NUMBER | EPI10-3     | LABORATORY SAMPLE ID | 2026-91A701        |
| LABELED QUANTITY   | 10 mg       | FORM                 | Lyophilized powder |
| CAS NUMBER         | 307297-39-8 | MOLECULAR FORMULA    | C14H22N4O9         |
| CAP COLOR          | Black       | CRIMP COLOR          | Silver             |
| DATE RECEIVED      | 08/27/2026  | DATE REPORTED        | 09/03/2026         |

Test results

| Test                          | Reference standard | Result       | Status |
|-------------------------------|--------------------|--------------|--------|
| Batch Avg Purity              | > 98%              | 99.629%      | PASS   |
| Batch Avg Net Content         | ~ 10 mg            | 12.64 mg     | PASS   |
| Identity Confirmation (LC-MS) | Matches label      | Epithalon    | PASS   |
| Endotoxin Safety Screen       | <= 0.5 EU/mL       | < 0.06 EU/mL | PASS   |
| Microbial Sterility Screen    | No Growth          | No Growth    | PASS   |

Heavy metal screening

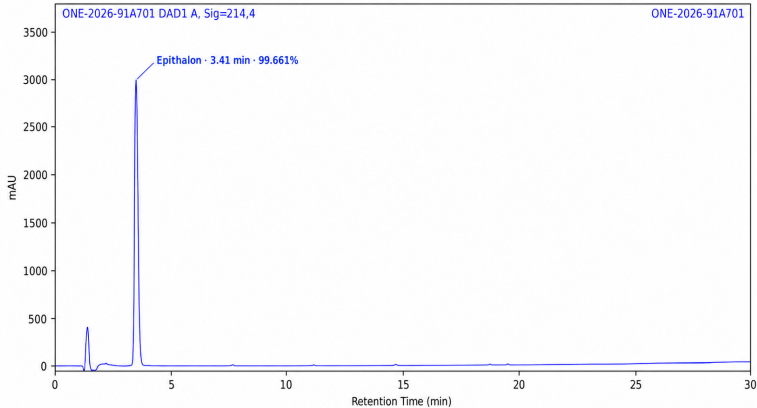
| Analyte      | Result | Status |
|--------------|--------|--------|
| Lead (Pb)    | < 0.5  | PASS   |
| Arsenic (As) | < 0.15 | PASS   |
| Cadmium (Cd) | < 0.05 | PASS   |
| Mercury (Hg) | < 0.3  | PASS   |

Conformity Results

| Vial          | Purity (%) | Net content (mg) |
|---------------|------------|------------------|
| Vial 1        | 99.661     | 12.63            |
| Vial 2        | 99.596     | 12.66            |
| Batch average | 99.629%    | 12.64            |

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

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Client and sample information

|                    |            |                      |             |
|--------------------|------------|----------------------|-------------|
| CLIENT             | ONE AMINOS | SAMPLE NAME          | Epithalon   |
| BATCH / LOT NUMBER | EPI10-3    | LABORATORY SAMPLE ID | 2026-91A701 |
| 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 |
|-------------------|--------|-------------|-------------|

FINAL DETERMINATION: PASS - AUTHORISED BY LAB DIRECTOR

Review record

|                   |               |                    |                   |
|-------------------|---------------|--------------------|-------------------|
| DATE REPORTED     | 09/03/2026    | REPORT NUMBER      | ONE-2026-91A701   |
| VERIFICATION CODE | AYVCOJ4       | PUBLICATION STATUS | Authorised        |
| LAB DIRECTOR      | Bhavrat Singh | REVIEW DATE        | 03 September 2026 |



HEAVY METALS ANALYSIS

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ICP-MS analytical results

Client and sample information

|                   |            |                      |                    |
|-------------------|------------|----------------------|--------------------|
| CLIENT            | ONE AMINOS | DATE REPORTED        | 09/03/2026         |
| PRODUCT NAME      | Epithalon  | STRENGTH             | 10 mg              |
| BATCH / LOT       | EPI10-3    | LABORATORY SAMPLE ID | 2026-91A701        |
| VERIFICATION CODE | AYVCOJ4    | 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

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USP <85> - Kinetic Turbidimetric LAL

Client and sample information

|                   |            |                      |                    |
|-------------------|------------|----------------------|--------------------|
| CLIENT            | ONE AMINOS | DATE REPORTED        | 09/03/2026         |
| PRODUCT NAME      | Epithalon  | STRENGTH             | 10 mg              |
| BATCH / LOT       | EPI10-3    | LABORATORY SAMPLE ID | 2026-91A701        |
| VERIFICATION CODE | AYVCOJ4    | 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        | < 0.06 EU/mL    |
| Acceptance Limit       | <= 0.5 EU/mL    |
| Sample CV (%)          | 4.1%            |
| Spike CV (%)           | 4.8%            |
| Spike Recovery (%)     | 76%             |
| 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:  | Review date: 03 September 2026 |