



CERTIFICATE OF ANALYSIS

REPORT ONE-EPI10-091426  
VERIFICATION CODE TL4T64N6  
VERIFY AT UNITEDLABORATORIES.ORG

Client and sample information

|                      |                    |                 |                  |
|----------------------|--------------------|-----------------|------------------|
| CLIENT               | One Aminos LLC     | PRODUCT         | Epithalon        |
| ACTIVE IDENTITY      | Epithalon          | LABELED CONTENT | 10 mg            |
| LABORATORY SAMPLE ID | ONE-EPI10          | REPORT NUMBER   | ONE-EPI10-091426 |
| BATCH / LOT          | ONE-EPI10-091426   | DATE CERTIFIED  | 09/14/2026       |
| SAMPLE MATRIX        | Lyophilized Powder | APPEARANCE      | Conforms         |
| VERIFICATION CODE    | TL4T64N6           | OVERALL RESULT  | PASS             |

7X certificate summary

|                 |                   |                  |                 |          |
|-----------------|-------------------|------------------|-----------------|----------|
| Test            | Method            | Specification    | Result          | Status   |
| Identity        | LC-MS             | C14H22N4O9       | Epithalon       | PASS     |
| Purity          | RP-HPLC           | >98%             | 99.629%         | PASS     |
| Net content     | Quantitative HPLC | Report result    | 12.64 mg        | REPORTED |
| Vial conformity | HPLC conformity   | Consistent vials | 2 vials conform | PASS     |
| Heavy metals    | ICP-MS            | Analyte limits   | Below limits    | PASS     |
| Sterility       | Rapid sterility   | No growth        | No growth       | PASS     |
| Endotoxin       | USP <85>          | <= 0.5 EU/mL     | < 0.06 EU/mL    | PASS     |

OVERALL RESULT: PASS - REVIEWED AND APPROVED FOR ISSUE



IDENTITY, PURITY AND CONTENT

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|          |         |           |        |
|----------|---------|-----------|--------|
| METHOD   | RP-HPLC | COLUMN    | C18    |
| DETECTOR | DAD     | DETECTION | 214 nm |

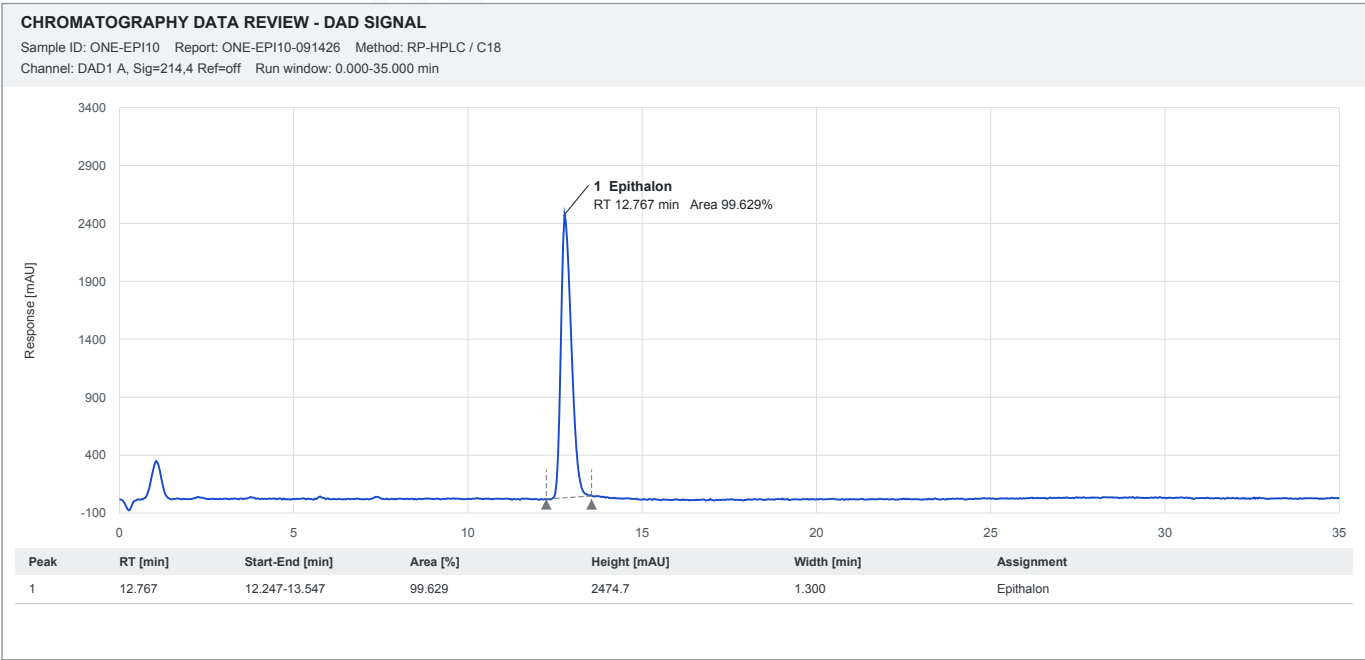
Analytical results

| Analyte               | Specification | Result    | Unit | Status   |
|-----------------------|---------------|-----------|------|----------|
| Peptide purity (HPLC) | >98%          | 99.629    | %    | PASS     |
| Net content           | Report result | 12.64     | mg   | REPORTED |
| Identity (LC-MS)      | C14H22N4O9    | Epithalon | -    | PASS     |

HPLC conformity testing

| Sample          | Purity  | Net content | Identity  | Result |
|-----------------|---------|-------------|-----------|--------|
| Vial 1          | 99.661% | 12.63 mg    | Confirmed | PASS   |
| Vial 2          | 99.596% | 12.66 mg    | Confirmed | PASS   |
| Conformity mean | 99.629% | 12.64 mg    | -         | -      |

HPLC chromatogram





MICROBIOLOGY AND ENDOTOXIN

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Sterility screening

| Test                         | Method          | Specification | Result       | Status |
|------------------------------|-----------------|---------------|--------------|--------|
| Bacteria (aerobic/anaerobic) | Rapid sterility | No growth     | No growth    | PASS   |
| Fungi / yeast                | Rapid sterility | Not detected  | Not detected | PASS   |

|                   |                    |                     |          |
|-------------------|--------------------|---------------------|----------|
| INCUBATION PERIOD | 2 days             | TEMPERATURE         | 30-35 °C |
| SAMPLE MATRIX     | Lyophilized Powder | FINAL DETERMINATION | PASS     |

STERILITY RESULT: NO GROWTH / NOT DETECTED - PASS

Bacterial endotoxin - USP <85>

| TEST PERFORMED      | Quantitative bacterial endotoxin | ASSAY                | Kinetic LAL       |
|---------------------|----------------------------------|----------------------|-------------------|
| DETECTION RANGE     | 0.01-1.0 EU/mL                   | STANDARD             | E. coli O111:B4   |
| DILUTION VOLUME     | 2.0 mL                           | MATRIX               | LAL reagent water |
| SPECIFICATION BASIS | Supplied acceptance criterion    | COMPENDIAL REFERENCE | USP <85>          |

| 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%          |
| Final determination | PASS         |

| Control          | Expected   | Observed    | Status |
|------------------|------------|-------------|--------|
| Positive control | Detectable | As expected | PASS   |
| Negative control | No signal  | As expected | PASS   |

ENDOTOXIN RESULT: PASS



HEAVY METALS AND AUTHORISATION

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Elemental impurities - ICP-MS

| Element      | Result (ppm) | Acceptance limit (ppm) | 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 and quality controls

| SAMPLE PREPARATION     | HNO3 / H2O2 matrix        | CALIBRATION   | Multi-element standard curve |
|------------------------|---------------------------|---------------|------------------------------|
| INTERNAL STANDARDS     | Sc, Ge, In, Bi            | METHOD BLANK  | PASS                         |
| CONTINUING CALIBRATION | PASS                      | DUPLICATE RPD | < 20%                        |
| SPECIFICATION BASIS    | Supplied reporting limits | INSTRUMENT    | ICP-MS                       |

| Element | Spike level | Recovery | Criterion |
|---------|-------------|----------|-----------|
| Lead    | 5 ppm       | 98%      | 70-150%   |
| Arsenic | 0.75 ppm    | 102%     | 70-150%   |
| Cadmium | 0.25 ppm    | 95%      | 70-150%   |
| Mercury | 1.5 ppm     | 91%      | 70-150%   |

ELEMENTAL IMPURITIES: ALL ANALYTES BELOW ACCEPTANCE LIMITS - PASS

Laboratory authorisation

Approved and authorised for issue

Bhavrat Singh  
Owner, Analyst and Head Lab Director  
  
Report number: ONE-EPI10-091426  
Batch / lot: ONE-EPI10-091426  
Verification code: TL4T64N6  
Date certified: 09/14/2026

Bhavrat Singh

Authorised signature - Bhavrat Singh