

CERTIFICATE NO.

PL-26-00066

VERIFICATION KEY

QQS5P27Y

Scan or enter both at  
prymalab.net/testing/verify

CERTIFICATE OF ANALYSIS · LOT RELEASE · ISSUED FOR PURAVIUM

MT-2 (Melanotan II acetate) 10 mg

Lot PL-2609-066 · Lyophilized powder · Label claim 10 mg/vial

TESTED IN-HOUSE BY PRYMALAB

In-house analytical result,  
not an independent third-party test

|                    |                        |                          |                  |
|--------------------|------------------------|--------------------------|------------------|
| LOT / BATCH NUMBER | DATE MADE              | DATE OF ANALYSIS         | DATE ISSUED      |
| PL-2609-066        | 2026-09-18             | 2026-09-19               | 2026-10-03       |
| RETEST / EXPIRY    | UNITS IN LOT / SAMPLED | STORAGE                  | CERTIFICATE TYPE |
| 2028-09-18         | 250 / 2                | -20 °C, desiccated, dark | Lot COA, 2 pages |

|                                                                                                                                                            |                                                                                                                     |                                                                |                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------|
| COMPOUND                                                                                                                                                   | CAS NUMBER                                                                                                          | MOLECULAR FORMULA                                              | THEORETICAL MASS (AVG.) |
| Melanotan II (acetate)<br>Ac-Nle-cyclo[Asp-His-D-Phe-Arg-Trp-Lys]-NH <sub>2</sub> ;<br>supplied as the acetate salt, values quoted for the<br>free peptide | 121062-08-6                                                                                                         | C <sub>50</sub> H <sub>69</sub> N <sub>15</sub> O <sub>9</sub> | 1024.2 Da               |
| SEQUENCE                                                                                                                                                   | Ac-Nle-cyclo[D-H-[D-Phe]-R-W-K]-NH <sub>2</sub> (7 residues; Asp-Lys side-chain lactam; N-acetyl; C-terminal amide) |                                                                |                         |

PURITY · RP-HPLC, AREA %

99.81%

Specification 99.0 % • main peak at 5.08 min

IDENTITY · OBSERVED MASS

1024.4 Da

Theoretical 1024.2 Da • +0.2 Da (195 ppm)

OVERALL CONCLUSION

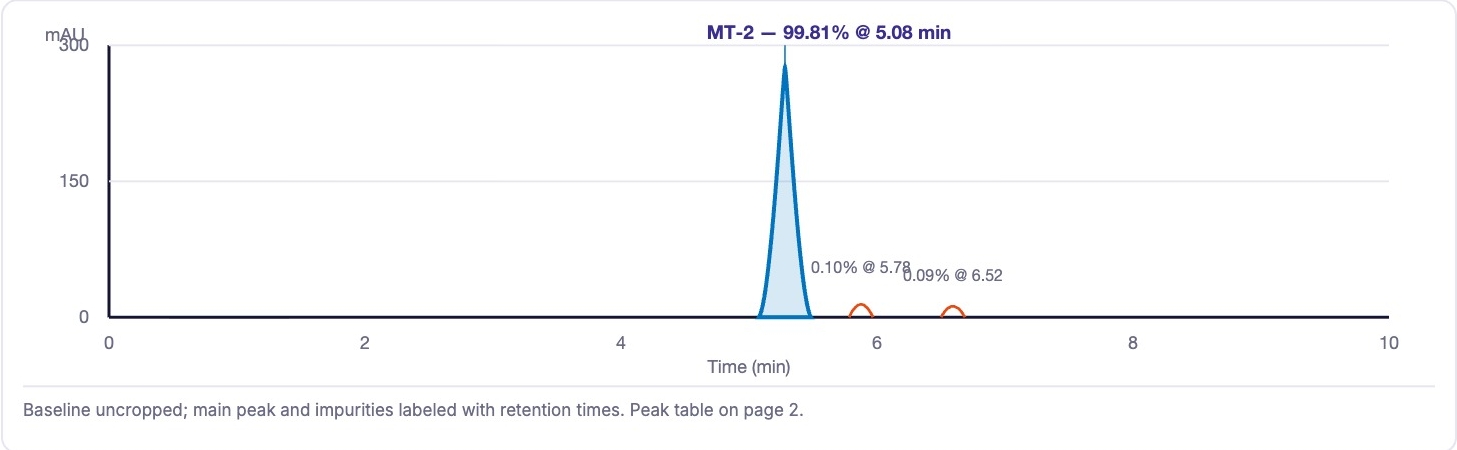
PASS

Meets every specification for the tests performed

| TEST                  | METHOD                        | SPECIFICATION                         | RESULT                                  | CONCLUSION |
|-----------------------|-------------------------------|---------------------------------------|-----------------------------------------|------------|
| Appearance            | Visual inspection             | White to off-white lyophilized powder | White lyophilized powder                | PASS       |
| Identity (mass)       | LC-MS, ESI positive           | Theoretical ± 1.0 Da                  | 1024.4 Da                               | PASS       |
| Purity                | RP-HPLC, UV 214 nm, area%     | 99.0%                                 | 99.81%                                  | PASS       |
| Largest impurity      | RP-HPLC, area%                | 1.0%                                  | 0.10 % at 5.78 min (ring-opened lactam) | PASS       |
| Water content         | Karl Fischer                  | 5.0%                                  | 1.8%                                    | PASS       |
| Bacterial endotoxin   | LAL, kinetic                  | ≤ 5.0 EU/mg                           | 0.03 EU/mg                              | PASS       |
| Sterility / bioburden | USP <71>, membrane filtration | No growth after 14 days               | No growth; conforms                     | PASS       |

1 HPLC CHROMATOGRAM

Data file: MT2\_PL-2609-066\_20260919\_01 · Column C18, 150 × 4.6 mm · UV 214 nm



2 HPLC METHOD · MT2\_PL-2609-066\_20260919\_01

|                                                        |                           |                       |
|--------------------------------------------------------|---------------------------|-----------------------|
| INSTRUMENT                                             | DATA SYSTEM               | DETECTOR              |
| Waters Alliance e2695, SN E2695B742                    | Empower 3, Build 3471     | Waters 2998 PDA       |
| DETECTION WAVELENGTH                                   | COLUMN                    | COLUMN PART / SERIAL  |
| 214 nm                                                 | C18, 150 × 4.6 mm, 3.5 µm | 186003326 / USHX18211 |
| MOBILE PHASE A                                         | MOBILE PHASE B            | FLOW RATE             |
| 0.1% TFA in water                                      | 0.1% TFA in MeCN          | 1.0 mL/min            |
| COLUMN TEMPERATURE                                     | INJECTION VOLUME          | RUN TIME              |
| 30 °C                                                  | 20 µL                     | 10 min                |
| SAMPLE DILUENT                                         | SAMPLE CONCENTRATION      | BLANK INJECTED        |
| Water, 0.1% TFA                                        | 0.5 mg/mL                 | Yes                   |
| REFERENCE STANDARD                                     |                           |                       |
| In-house MT-2 reference, lot PL-RS-MT2-01, RT 5.06 min |                           |                       |

3 GRADIENT PROGRAM

| TIME (MIN) | % A | % B |
|------------|-----|-----|
| 0.0        | 95  | 5   |
| 3.0        | 95  | 5   |
| 7.0        | 55  | 45  |
| 8.0        | 20  | 80  |
| 9.0        | 20  | 80  |
| 10.0       | 95  | 5   |

4 PEAK TABLE

| PEAK                   | RT (MIN) | AREA      | AREA % |
|------------------------|----------|-----------|--------|
| 1                      | 5.08     | 4,291,830 | 99.81  |
| 2 (ring-opened lactam) | 5.78     | 4,300     | 0.10   |
| 3                      | 6.52     | 3,870     | 0.09   |
| Total                  |          | 4,300,000 | 100.00 |

Threshold 0.05% area · Blank subtracted: Y · Purity = main peak area ÷ total integrated area × 100, to two decimals; main peak shaded.

5 IDENTITY BY MASS SPECTROMETRY

|                                |                                           |                                       |
|--------------------------------|-------------------------------------------|---------------------------------------|
| INSTRUMENT                     | IONIZATION / MODE                         | OBSERVED M/Z (CHARGE)                 |
| Waters Acquity SQD             | ESI, positive                             | 1025.1 (1+ [M+H]) · 513.2 (2+ [M+2H]) |
| DECONVOLUTED MASS              | THEORETICAL MASS                          | DIFFERENCE                            |
| 1024.4 Da                      | 1024.2 Da (free-base cyclic heptapeptide) | +0.2 Da (195 ppm)                     |
| DATA FILE                      | ACCEPTANCE                                |                                       |
| MT2_PL-2609-066_MS_20260919_01 | Within ± 1.0 Da                           |                                       |

6 ADDITIONAL TESTS

| TEST                                 | PERFORMED BY | DATE       | REPORT / FILE      |
|--------------------------------------|--------------|------------|--------------------|
| Water content                        | PrymaLab     | 2026-09-20 | RPT-KF-PL-2609-066 |
| Endotoxin                            | PrymaLab     | 2026-09-21 | RPT-ET-PL-2609-066 |
| Sterility                            | PrymaLab     | 2026-10-02 | RPT-ST-PL-2609-066 |
| Peptide content (acetate-salt basis) | PrymaLab     | 2026-09-20 | RPT-AA-PL-2609-066 |

A test with no row here was not performed on this lot. Outside-laboratory reports, when used, are attached and named below.

7 REVIEW AND APPROVAL

|                                 |                                     |                                     |
|---------------------------------|-------------------------------------|-------------------------------------|
| D. Reynolds                     | S. Calloway                         | M. Phelps                           |
| Analyst · performed the testing | Reviewer · checked against raw data | Lab Director · approved for release |
| Date: 2026-09-19                | Date: 2026-10-02                    | Date: 2026-10-03                    |

Raw data retained at: Empower 3 (Build 3471), project PL-2609, archive PL-ARC-2026; 7 years. Outside laboratory reports attached: None

This certificate applies only to the lot named above and describes the units sampled from it; it is not a guarantee for any other lot. Results were obtained by PrymaLab LLC's own laboratory (PrymaLab Analytical) and are not an independent third-party test unless an outside report is attached. This copy is issued for Puravium, a distributor of the lot; the brand shown does not change the laboratory, the method or the results. Reference values (CAS, formula, theoretical mass, sequence) are literature values for the named compound. Authenticity: scan the QR code or enter certificate number PL-26-00066 and key QQS5P27Y at prymalab.net/testing/verify; any copy that does not match the record shown there is not a PrymaLab certificate. PrymaLab LLC products are supplied for laboratory research use only and not for human or veterinary use.