

Independent Research Testing Center  
875 Innovation Drive, Cambridge, MA 02139, USA

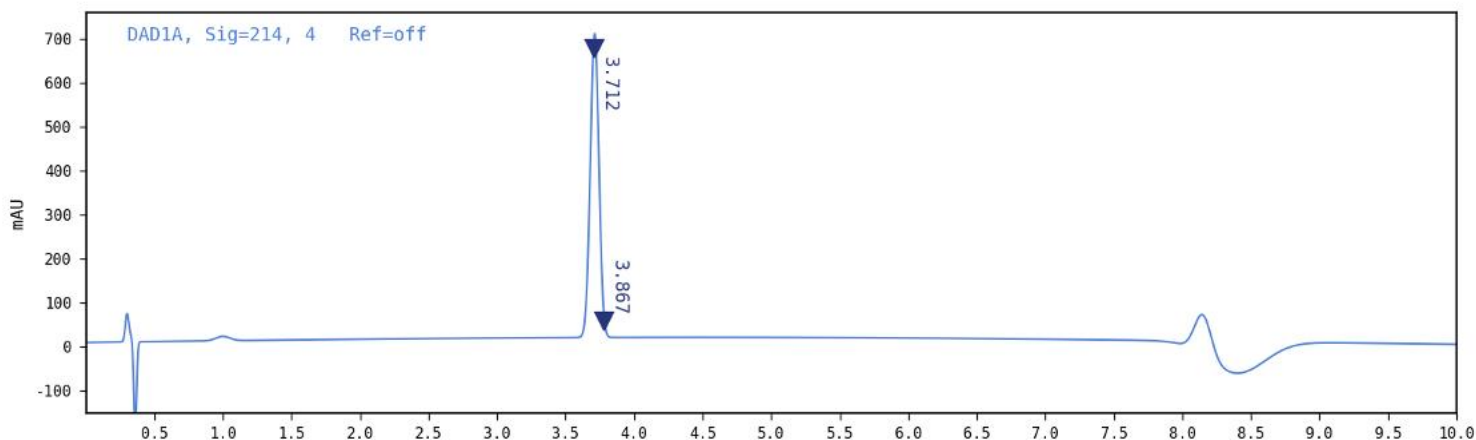
## CERTIFICATE OF ANALYSIS (COA)

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Product Name           | Melanotan 2 10 mg (Injectable Research Vial)                                   |
| Chemical Name          | Melanotan-2 (cyclic Ac-Nle-Asp-His-DPhe-Arg-Trp-Lys-NH <sub>2</sub> )          |
| CAS Number             | 121062-08-6                                                                    |
| Batch / Lot Number     | MT2100502                                                                      |
| Manufacturing Date     | 2026-05-02                                                                     |
| Retest / Expiry Date   | 2028-05-02                                                                     |
| Net Content            | 10 mg per vial                                                                 |
| Storage Conditions     | Store at 2–8°C, protected from light and moisture                              |
| Appearance             | White to off-white lyophilized powder                                          |
| Molecular Formula / MW | C <sub>50</sub> H <sub>69</sub> N <sub>15</sub> O <sub>9</sub> / 1024.18 g/mol |

### Analytical Results

| Test Item       | Specification                         | Result    | Method       |
|-----------------|---------------------------------------|-----------|--------------|
| Identification  | Conforms                              | Conforms  | LC-MS        |
| Purity (HPLC)   | ≥98.0%                                | 99.05%    | HPLC         |
| Peptide Content | 95.0–105.0%                           | 99.5%     | HPLC         |
| Appearance      | White to off-white lyophilized powder | Conforms  | Visual       |
| Water Content   | ≤3.0%                                 | 1.1%      | Karl Fischer |
| Heavy Metals    | ≤10 ppm                               | <10 ppm   | ICP-MS       |
| Endotoxin       | <10 EU/mg                             | <10 EU/mg | LAL Test     |

## HPLC Chromatogram



*For laboratory research use only. Not for human consumption.*

|             |                                                                                     |
|-------------|-------------------------------------------------------------------------------------|
| Tester Name | Dr. Michael Carter                                                                  |
| Signature   |  |
| Test Date   | 2026-05-18                                                                          |