



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

## CERTIFICATE OF ANALYSIS (COA)

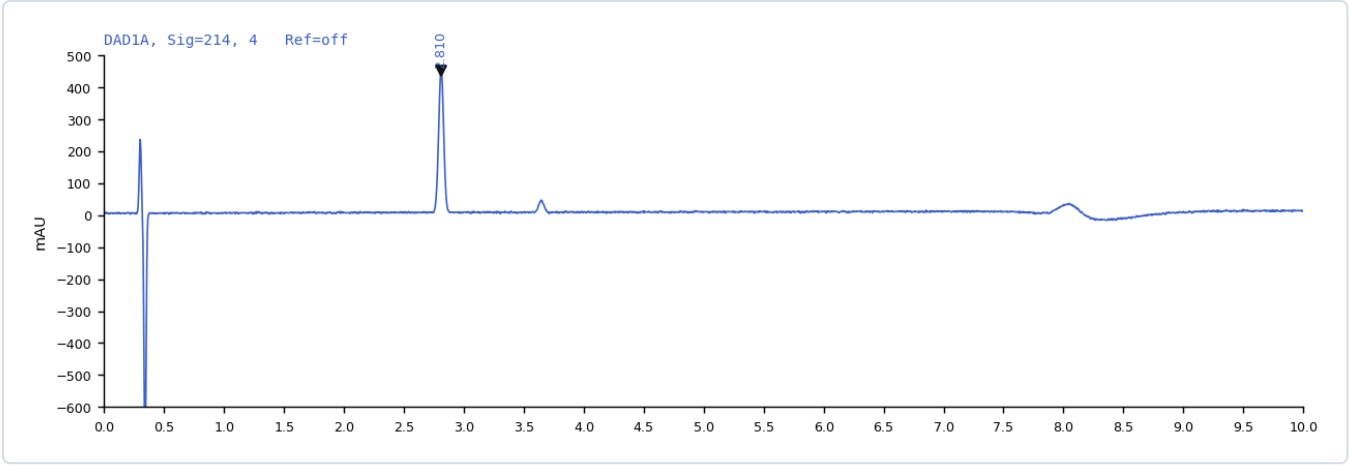
| CASE NUMBER | VERIFICATION KEY | VERIFY AT                                                             |
|-------------|------------------|-----------------------------------------------------------------------|
| 17544       | NGL-2026-WYVY3P  | <a href="https://novagenlaboratories.com">novagenlaboratories.com</a> |

|                        |                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------|
| Client                 | Valar Peptides                                                                                 |
| Manufacturer           | Valar Peptides USA                                                                             |
| Peptide / Compound     | Oxytocin                                                                                       |
| CAS Number             | 50-56-6                                                                                        |
| Batch / Lot Number     | OXYT77055                                                                                      |
| Manufacturing Date     | 2026-06-18                                                                                     |
| Retest / Expiry Date   | 2029-06-28                                                                                     |
| Net Content            | 2 mg to 5 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>43</sub> H <sub>66</sub> N <sub>12</sub> O <sub>12</sub> S <sub>2</sub> / 1007.19 g/mol |

### Analytical Results

| Test Item      | Specification                         | Result    | Method       |
|----------------|---------------------------------------|-----------|--------------|
| Identification | Conforms                              | Conforms  | LC-MS        |
| Purity (HPLC)  | ≥98.0%                                | 99.04%    | HPLC         |
| Appearance     | White to off-white lyophilized powder | Conforms  | Visual       |
| Water Content  | ≤3.0%                                 | 0.6%      | 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   | <i>Michael Carter</i> |
| Test Date   | 2026-06-30            |

**Novagen Analytical Labs** · Cambridge, MA · verify any report at [novagenlaboratories.com](https://novagenlaboratories.com)

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