

## Semax Nootropic Peptide

Cognitive & Neurological • 30mg • Research Use Only

### 1. SAMPLE IDENTIFICATION

|              |                          |                 |                    |
|--------------|--------------------------|-----------------|--------------------|
| Product      | Semax Nootropic Peptide  | Batch / Lot no. | GP26-2077          |
| Category     | Cognitive & Neurological | Strength        | 30mg               |
| Presentation | Research Vial            | Dosage form     | Lyophilised Powder |

### 2. IDENTITY CONFIRMATION

|                               |                   |                                |                                |
|-------------------------------|-------------------|--------------------------------|--------------------------------|
| Method                        | LC-MS (ESI-Q-TOF) | Result                         | Conforms to reference standard |
| [M+H] <sup>+</sup> observed   | 2185.9 m/z        | [M+H] <sup>+</sup> theoretical | 2186.3 m/z                     |
| [M+2H] <sup>2+</sup> observed | 1093.7 m/z        | Mass deviation                 | -0.4 Da                        |

### 3. PURITY AND QUANTITATIVE CONTENT

|                        |                                  |                           |                    |
|------------------------|----------------------------------|---------------------------|--------------------|
| Technique              | HPLC                             | Method                    | RP-HPLC-UV, 214 nm |
| Chromatographic purity | 99.0 % (area normalisation)      | Content, % of label claim | 101.2 %            |
| Measured content       | 30.36 mg/vial (label claim 30mg) |                           |                    |

### 4. ANALYTICAL DATA

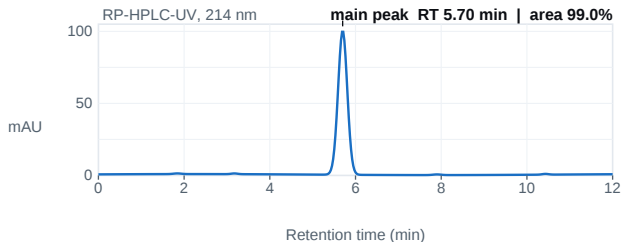


Fig. 1 — HPLC chromatogram; main peak 5.70 min, 99.0% area.

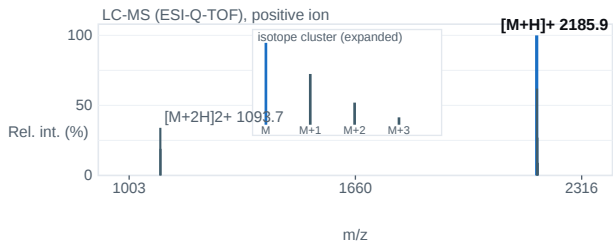


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]<sup>+</sup> 2185.9 m/z.

**RESULT** **PASS** — Identity conforms; chromatographic purity 99.0%

### 5. AUTHORISATION AND VERIFICATION

|              |                  |                     |                                   |
|--------------|------------------|---------------------|-----------------------------------|
| Analyst      | Dr. K. Yamamoto  | Approved (QA)       | Dr. P. Achebe                     |
| Date of test | 2 September 2026 | Date of manufacture | 14 August 2026                    |
| Expiry       | 14 August 2029   | Laboratory          | Puralytix Analytical Laboratories |

#### Verify this certificate

Report ID: **GP26-2077**

Verification key: **8S7M-A3XR**

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Enter the report ID and verification key on the page above, or scan the QR code, to confirm this certificate is genuine.



Scan to verify

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