

## IGF-DES 2mg

Growth Hormone & IGF • 2mg • Research Use Only

### 1. SAMPLE IDENTIFICATION

|              |                      |                 |                    |
|--------------|----------------------|-----------------|--------------------|
| Product      | IGF-DES 2mg          | Batch / Lot no. | GP26-2036          |
| Category     | Growth Hormone & IGF | Strength        | 2mg                |
| 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   | 1646.5 m/z        | [M+H] <sup>+</sup> theoretical | 1646.8 m/z                     |
| [M+2H] <sup>2+</sup> observed | 823.9 m/z         | Mass deviation                 | -0.3 Da                        |

### 3. PURITY AND QUANTITATIVE CONTENT

|                        |                                |                           |                 |
|------------------------|--------------------------------|---------------------------|-----------------|
| Technique              | UPLC                           | Method                    | UPLC-UV, 214 nm |
| Chromatographic purity | 98.8 % (area normalisation)    | Content, % of label claim | 101.4 %         |
| Measured content       | 2.03 mg/vial (label claim 2mg) |                           |                 |

### 4. ANALYTICAL DATA

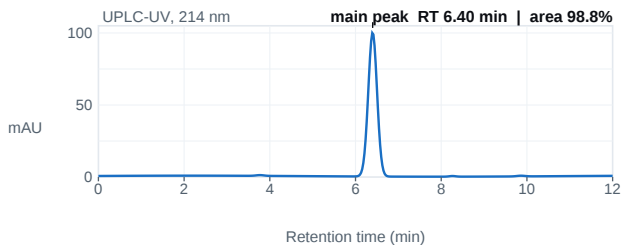


Fig. 1 — UPLC chromatogram; main peak 6.40 min, 98.8% area.

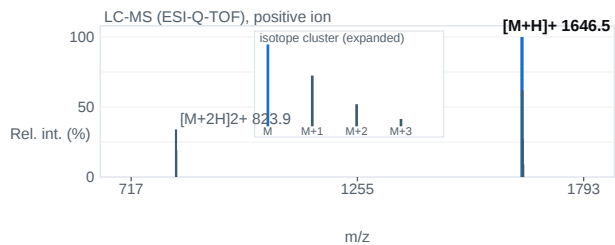


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]<sup>+</sup> 1646.5 m/z.

**RESULT** **PASS** — Identity conforms; chromatographic purity 98.8%

### 5. AUTHORISATION AND VERIFICATION

|              |                |                     |                                   |
|--------------|----------------|---------------------|-----------------------------------|
| Analyst      | Dr. S. Patel   | Approved (QA)       | Dr. N. Kowalski                   |
| Date of test | 31 August 2026 | Date of manufacture | 13 August 2026                    |
| Expiry       | 13 August 2029 | Laboratory          | Puralytix Analytical Laboratories |

#### Verify this certificate

Report ID: **GP26-2036**

Verification key: **ECFL-N928**

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