

## Vilon 20mg

Bioregulators • 20mg • Research Use Only

### 1. SAMPLE IDENTIFICATION

|              |               |                 |                    |
|--------------|---------------|-----------------|--------------------|
| Product      | Vilon 20mg    | Batch / Lot no. | GP26-2064          |
| Category     | Bioregulators | Strength        | 20mg               |
| 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   | 4146.8 m/z        | [M+H] <sup>+</sup> theoretical | 4146.8 m/z                     |
| [M+2H] <sup>2+</sup> observed | 2073.9 m/z        | Mass deviation                 | +0.0 Da                        |

### 3. PURITY AND QUANTITATIVE CONTENT

|                        |                                 |                           |                 |
|------------------------|---------------------------------|---------------------------|-----------------|
| Technique              | UPLC                            | Method                    | UPLC-UV, 214 nm |
| Chromatographic purity | 98.9 % (area normalisation)     | Content, % of label claim | 99.0 %          |
| Measured content       | 19.8 mg/vial (label claim 20mg) |                           |                 |

### 4. ANALYTICAL DATA

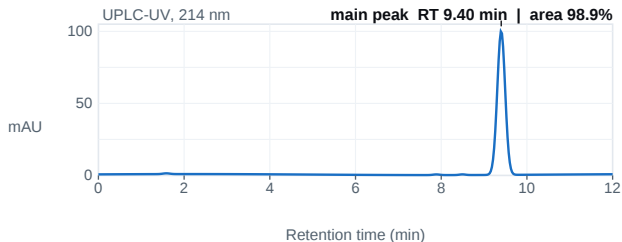


Fig. 1 — UPLC chromatogram; main peak 9.40 min, 98.9% area.

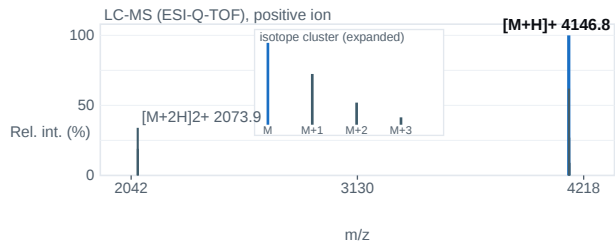


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]<sup>+</sup> 4146.8 m/z.

#### RESULT

**PASS — Identity conforms; chromatographic purity 98.9%**

### 5. AUTHORISATION AND VERIFICATION

|              |                |                     |                                   |
|--------------|----------------|---------------------|-----------------------------------|
| Analyst      | Dr. S. Patel   | Approved (QA)       | Dr. H. Bergström                  |
| Date of test | 20 August 2026 | Date of manufacture | 2 August 2026                     |
| Expiry       | 2 August 2029  | Laboratory          | Puralytix Analytical Laboratories |

#### Verify this certificate

Report ID: **GP26-2064**

Verification key: **XRAB-VS4R**

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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.



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