HORIZON
ANALYTICAL LABORATORY

# Certificate of Analysis

| REPORT NO. | VERIFICATION CODE | REVISION | ISSUED |
|---|---|---|---|
| NOV-26-08 | HRZ-E5ZT-MAV4 | 2 | 13-NOV-2026 |

SCAN TO VERIFY

SAMPLE

## GLOW 70 (GHK-Cu 50 · BPC-157 10 · TB-500 10)

Label claim: 70 mg / vial

OVERALL RESULT

✓ **Conforms to specification**

| CLIENT | MANUFACTURER (DECLARED) | BATCH / LOT | APPEARANCE |
|---|---|---|---|
| Orca Life Bio | Orca Life UK | OR-GLW70-261102 | Blue lyophilized powder |

| TESTING ORDERED | SAMPLE RECEIVED | ANALYSIS CONDUCTED | UNITS TESTED · BLIND CODE |
|---|---|---|---|
| 04 NOV 2026 | 04 NOV 2026 | 05 NOV 2026 | 1 vial |

PURITY · HPLC-UV
**99.90 %**
Area % (HPLC-UV)

CONTENT · HPLC-UV
**70.15 mg**
100.2 % of label claim

IDENTITY · LC-MS
**Confirmed**
GHK-Cu · Tβ4 (TB-500) · BPC-157

ENDOTOXINS · LAL
**Not tested**
—

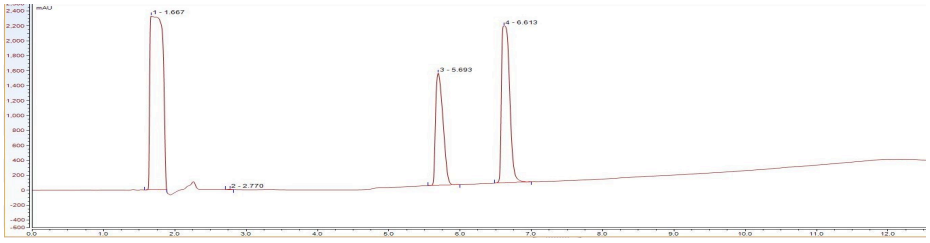
## Detailed results

N = VIALS TESTED · SD · RELATIVE SD

| PARAMETER | METHOD | RESULT | N | SD | %RSD | SPECIFICATION | STATUS |
|---|---|---|---|---|---|---|---|
| Purity (area %) | HPLC-01 | 99.90 % | 1 | n/a | n/a | ≥ 98.0 % | CONFORMS |
| Content | HPLC-01 | 70.15 mg (100.2 %) | 1 | n/a | n/a | 90–110 % of LC | CONFORMS |
| Identity | LCMS-02 | 401.21 / 4965.46 / 1420.20 Da | 1 | n/a | n/a | Matches theor. MW | CONFORMS |
| Largest impurity | HPLC-01 | 0.10 % | 1 | n/a | n/a | Report | |

## HPLC chromatogram

Vial 1 · 220 nm




## Product photo




## Method

HPLC-01

| | |
|---|---|
| Column | C18, 150 × 4.6 mm, 3.5 µm, 40 °C |
| Mobile phase · gradient | 0.1 % TFA in $H_2O$ / ACN, 10→100 % B |
| Detection | DAD, 220 nm |
| LOD / LOQ | 0.02 % / 0.05 % |
| Calibration | |

## Traceability

CHAIN OF CUSTODY

| | |
|---|---|
| Reference standard | — |
| Instrument | HPLC-DAD / LC-MS |
| Storage on receipt | +4 °C |
| Seals on receipt | |
| Comments | Rev. 2 supersedes Rev. 1 – editorial corrections only; analytical data unchanged. |

Yagız Akbaş · 06 NOV 2026
Analysed by · date

Yagız Akbaş · 06 NOV 2026
Reviewed by · date

Prof. Dr. Gizem Dinler Doğanay
Laboratory Director · approved · date

Verify at horizon-biosolutions.com · Verification / signature reference HRZ-E5ZT-MAV4

Results relate only to the items tested, as received. Reproduce only in full. Research use only; no medical or therapeutic claim is made or implied.



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