

CERTIFICATE OF ANALYSIS

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SAMPLE IDENTIFICATION

| Sample Name     | Batch Number | Date Published | Lab Reference        |
|-----------------|--------------|----------------|----------------------|
| FOXO4-DRI 10 mg | 2026283      | 05/14/2026     | QC-FOXO4DRI-10mg-283 |

RESULTS — PEPTIDE IDENTITY, CONTENT & PURITY

| Parameter                     | Result          | Unit | Uncertainty | Method / Note               |
|-------------------------------|-----------------|------|-------------|-----------------------------|
| FOXO4-DRI Identification (MS) | Confirmed (996) | —    | ± 20        | ESI-MS Spectrum             |
| FOXO4-DRI Assay (Content)     | 9.70            | mg   | ± 0.05      | HPLC External Standard      |
| FOXO4-DRI Identification (RT) | 0.993           | —    | ± 0.005     | HPLC Retention Time         |
| FOXO4-DRI Purity (HPLC)       | > 99.8          | %    | ± 0.2       | Area Normalization @ 214 nm |

ADDITIONAL TESTS

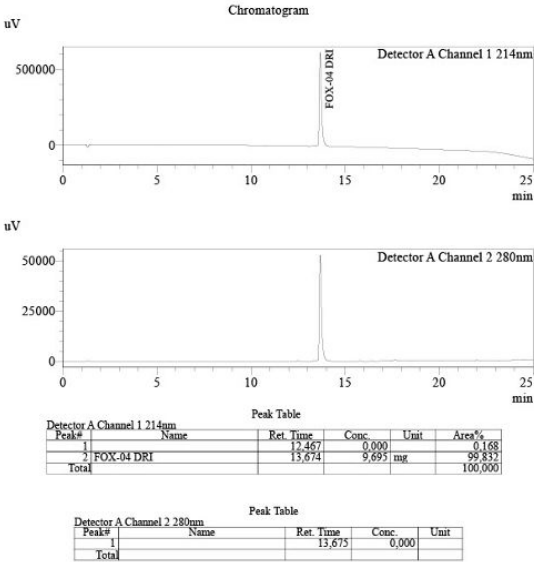
| Test                            | Result       | Unit  | Limit   | Method                         |
|---------------------------------|--------------|-------|---------|--------------------------------|
| Total Aerobic Microbial Count   | Not detected | CFU/g | ≥ 1000  | USP <61>                       |
| Total Yeast and Mold Count      | Not detected | CFU/g | ≥ 100   | USP <61>                       |
| Bacterial Endotoxin             | < 0.001      | EU/mg | > 0.5   | USP <85> Chromogenic LAL       |
| Heavy Metals (As, Cd, Pb, etc.) | Not detected | ppm   | Various | Elemental Impurities Screening |

CONCLUSION: All tested parameters meet the specifications. The batch is approved for research use only.

ANALYTICAL DATA — PEAK TABLE (HPLC)

The following peak table confirms identity and high purity of the batch.

| Detector A Channel 1 214 nm |                 |       |      |         |
|-----------------------------|-----------------|-------|------|---------|
| Peak                        | Ret. Time (min) | Conc. | Unit | Area %  |
| 1 (Main)                    | 13.467          | 9.700 | mg   | 99.832  |
| 2                           | 13.675          | 0.000 | —    | 0.168   |
| Total                       |                 |       |      | 100.000 |



METHOD SPECIFICATION — Content & Purity Assessment

| Instrumentation   |            |               |
|-------------------|------------|---------------|
| Module            | Name       | Serial Number |
| System Controller | SCL-10ADvp | SN-2026-0147  |
| Degassing Unit    | DGU-14A    | SN-2026-0082  |
| Pump              | LC-10ADvp  | SN-2026-0094  |
| Autosampler       | SIL-10ADvp | SN-2026-0514  |
| Column Thermostat | CTO-10ACvp | SN-2026-0371  |
| Detector          | SPD-10ADvp | SN-2026-0338  |

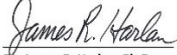
| Parameter            | Value                                                 |
|----------------------|-------------------------------------------------------|
| Eluent A             | 0.1% TFA in Water (HPLC, Gradient Grade)              |
| Eluent B             | 0.1% TFA in Acetonitrile (HPLC, Gradient Grade)       |
| Flow Rate            | 0.4 mL/min                                            |
| Injection Volume     | 0.5 µL                                                |
| Column Temperature   | 60°C                                                  |
| Column               | Phenomenex Biozen Peptide Polar C18, 150×2.1 mm, 3 µm |
| Detection Wavelength | 214 nm                                                |

Gradient Program

| Time (min) | A [%] | B [%] |
|------------|-------|-------|
| 18         | 40    | 60    |
| 21         | 5     | 95    |
| 24         | 5     | 95    |
| 28         | 95    | 5     |
| 40         | end   |       |

**Sample Preparation**  
Whole amount of container was dissolved in 2 mL of water (HPLC, Gradient Grade). Aliquote part of 1 mL was dispensed into HPLC vial for analysis.

AUTHORIZATION & APPROVAL

|                                                                                                                                          |                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tested & Analyzed by:<br><div><br/>QUALITY CONTROL</div> | Approved by (QA):<br><div><br/>Dr. James R. Harlan, Ph.D.<br/>Quality Assurance Director</div> |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**DISCLAIMER:** This document is for research purposes only. Not for human or veterinary use. Results relate only to the sample tested. Store at -20°C in a dry, dark place.  
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