

CERTIFICATE OF ANALYSIS

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SAMPLE IDENTIFICATION

| Sample Name       | Batch Number | Date Published | Lab Reference          |
|-------------------|--------------|----------------|------------------------|
| Retatrutide 20 mg | RTP20-9      | 07/14/2026     | QC-Retatrutide-RTP20-9 |

RESULTS — PEPTIDE IDENTITY, CONTENT & PURITY

| Parameter                       | Result          | Unit | Uncertainty | Method / Note               |
|---------------------------------|-----------------|------|-------------|-----------------------------|
| Retatrutide Identification (MS) | Confirmed (994) | —    | ± 20        | ESI-MS Spectrum             |
| Retatrutide Assay (Content)     | 20.40           | mg   | ± 0.11      | HPLC External Standard      |
| Retatrutide Identification (RT) | 1.00            | —    | ± 0         | HPLC Retention Time         |
| Retatrutide Purity (HPLC)       | > 99.8          | %    | —           | 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)                    | 21.241          | 20.37 | mg   | 100.000 |
| Total                       |                 |       |      | 100.000 |

METHOD SPECIFICATION — Content & Purity Assessment

| 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  |

Chromatographic Conditions

| Parameter            | Value                                         |
|----------------------|-----------------------------------------------|
| Eluent A             | 1% TFA in Water (HPLC, Gradient Grade)        |
| Eluent B             | 1% TFA in Acetonitrile (HPLC, Gradient Grade) |
| Flow Rate            | 1.0 mL/min                                    |
| Injection Volume     | 0.5 µL                                        |
| Column Temperature   | 35°C                                          |
| Column               | Avantor ACE UltraCore C18, 150×3.0 mm, 3.5 µm |
| Detection Wavelength | 214 nm                                        |

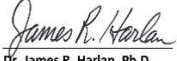
Gradient Program

| Time (min) | A [%] | B [%] |
|------------|-------|-------|
| 2          | 99    | 1     |
| 10         | 70    | 30    |
| 14         | 70    | 30    |
| 32         | 5     | 95    |
| 35         | 5     | 95    |
| 35.01      | 99    | 1     |
| 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><br>QUALITY CONTROL | Approved by (QA):<br><br>Dr. James R. Harlan, Ph.D.<br>Quality Assurance Director |
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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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