Manufacturer name, logo and document number redacted

# Certificate of Analysis

| | | | |
|---|---|---|---|
| **Product Name** | Retatrutide | **Batch No.** | U3901-26060201 |
| **Molecular Formula** | $C_{221}H_{342}N_{46}O_{68}$ | | |
| **Mfg. Date** | 2026-05-19 | **Retest Date** | 2028-05-18 |

| **Tests** | **Acceptance Criteria** | | **Results** |
|---|---|---|---|
| **Appearance** | White to off-white powder | | White powder |
| **Solubility** | Can be dissolved to 5mg/ml in pure water | | Conforms |
| **Molecular Ion Mass** | 4731.4 ± 1.0Da | | Conforms |
| **pH** | 7.0~9.0 (C=5mg/ml) | | 7.5 |
| **Water Content (K.F)** | NMT 8.0% | | 2.9% |
| **Purity (HPLC)** | NLT 98.0% | | 99.10% |
| **Related Substances (HPLC)** | The largest individual impurity test NMT 1.0% | | 0.30% |
| | The total impurities test NMT 2.0% | | 0.90% |
| **Residual Solvent (GC)** | Methylene chloride | NMT 600ppm | N.D |
| | Acetonitrile | NMT 410ppm | 115ppm |
| | Methanol | NMT 3000ppm | N.D |
| | N, N-Dimethylformamide | NMT 880ppm | N.D |
| | Tert-butyl methyl ether | NMT 5000ppm | N.D |
| **Acid Group Ions (IC)** | TFA | NMT 0.1% | N.D |
| | $PO_4^{3-}$ | NMT 0.1% | N.D |
| | HAC | NMT 0.1% | N.D |
| **Sodium Ion (IC)** | NMT 5.0% | | 1.1% |
| **Bacterial Endotoxins** | NMT 10 EU/mg | | Conforms |
| **Microbial Limits** | TAMC | NMT 1000 cfu/g | Conforms |
| | TYMC | NMT 100 cfu/g | Conforms |
| | Escherichia Coil presence | Negative | Conforms |
| | Salmonella | Negative | Conforms |
| | P. Aeruginosa | Negative | Conforms |
| | S. Aureus | Negative | Conforms |
| **Peptide Content (Mass Balance)** | NLT 80.0% | | 95.1% |
| **Assay（HPLC）** | 95.0-105.0%（on anhydrous and salt-free substance basis） | | 99.3% |
| **Conclusion:** Conformed with the product standards. | | | |

*Storage Conditions: Keep in tight container, protect from light, store at a temperature of -20 ± 5℃.*

## Note: For Research Use Only, Not for Human Consumption

Manufacturer signatures and company stamp redacted

Raw material (API) certificate for the retatrutide used in Vion Labs Retatrutide Oral Spray, lot VL-100126R.
Manufacturer identity redacted by Vion Labs. Analytical data unaltered. Retest date applies to the raw material, not the finished spray.