FIRST PHARMA ANALYTICAL SERVICES

ISO 17025 Compliant Analytical Laboratory | Research Grade Verification

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CERTIFICATE OF ANALYSIS (COA)

COMPOUND IDENTIFICATION & BATCH DATA

Product Name:	Retatrutide (GLP-1/GIP/GCGR Agonist)	**Report Date:**	October 24, 2026
Strength / Dosage:	10 mg Lyophilized Powder Cake	**Manufacture Date:**	October 2026
Batch / Lot Number:	FP-RETA-2026-004	**Retest / Expiry Date:**	October 2028
CAS Number:	2381089-83-2	**Storage Condition:**	Store at -20 deg C, Dry & Dark

ANALYTICAL PURITY & QUALITY TEST RESULTS

ANALYSIS TEST	SPECIFICATION METHOD	SPECIFICATION CRITERIA	RESULT	STATUS
Appearance	Visual Inspection	White lyophilized powder	Conforms	PASS
Identity (Mass Spec)	ESI-MS	5258.0 +/- 1.0 Da	5257.8 Da	PASS
Purity (HPLC)	RP-HPLC (C18 214nm)	>= 98.0% Area	**99.43%**	PASS
Peptide Content	Nitrogen Content Elemental	>= 80.0%	86.4%	PASS
Solubility	Reconstitution (BAC/PBS)	Clear, particle-free solution	Conforms	PASS
Bacterial Endotoxins	LAL Turbidimetric	< 0.5 EU/mg	< 0.10 EU/mg	PASS
Residual Solvents	GC-Headspace	< 500 ppm Acetonitrile	< 45 ppm	PASS
Heavy Metals	ICP-MS	< 10 ppm	< 1.5 ppm	PASS

CONCLUSION / VERDICT: **CONFORMS TO SPECIFICATION - RESEARCH GRADE APPROVED**

DISCLAIMER & CONDITIONS OF USE:

This Certificate of Analysis reflects the analytical findings of the tested batch. For in-vitro scientific research and laboratory development use only. Not for human or clinical veterinary use. Certified by First Pharma QA/QC Analytical Chemistry Department.

FIRST PHARMA QA VERIFIED

Dr. A. Vance, Ph.D.
Director of Quality Assurance & Testing