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CERTIFICATE OF ANALYSIS

Document Number:
COA-CR-RT-1026-01



PRODUCT NAME
Retatrutide



BATCH/LOT NUMBER
CR-RT-1026



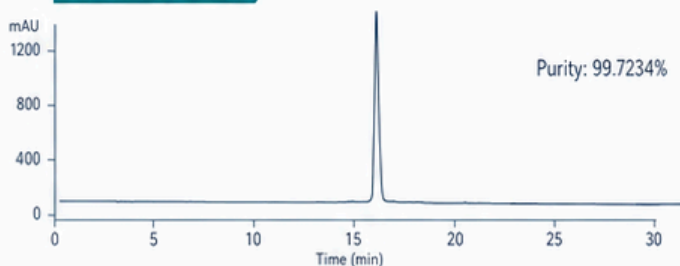
PACK SIZE
10mg



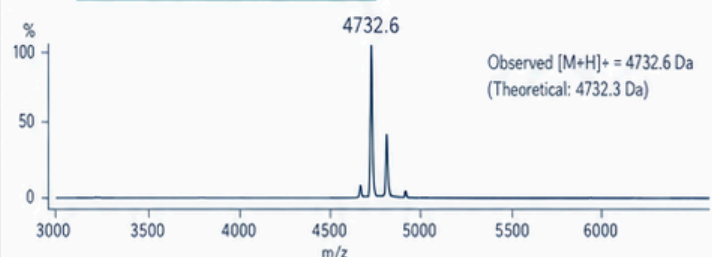
DATE OF ANALYSIS
June 1, 2026

#	TEST	SPECIFICATION	RESULT	METHOD	STATUS
1.	Appearance	White to off-white lyophilized powder	Conforms	Visual Inspection	✓ PASS
2.	Identity (ESI-MS)	Mass matches theoretical (± 1.0 Da)	Observed $[M+H]^+ = 4732.6$ Da (Theoretical: 4732.3 Da)	ESI-TOF Mass Spectrometry	✓ PASS
3.	Purity (RP-HPLC 214nm)	$\geq 99.5\%$	99.7234%	RP-HPLC (214nm)	✓ PASS
4.	Purity (RP-HPLC 280nm)	$\geq 99.0\%$	99.6812%	RP-HPLC (280nm)	✓ PASS
5.	Total Impurities	$\leq 0.5\%$	0.2766%	RP-HPLC (Area %)	✓ PASS
6.	Single Largest Impurity	$\leq 0.15\%$	0.07%	RP-HPLC (Area %)	✓ PASS
7.	Aggregates (SEC-HPLC)	$\leq 0.5\%$	$< 0.04\%$	Size Exclusion HPLC	✓ PASS
8.	Peptide Content (Anhydrous)	$\geq 95.0\%$	97.2%	Amino Acid Analysis (AAA)	✓ PASS
9.	Water Content (Karl Fischer)	$\leq 5.0\%$	0.18%	Coulometric Karl Fischer Titration	✓ PASS
10.	Acetate Content	$\leq 10.0\%$	6.2%	Ion Chromatography	✓ PASS
11.	Residual Acetonitrile (ACN)	≤ 410 ppm	< 12 ppm	GC-MS	✓ PASS
12.	Residual DMF	≤ 880 ppm	< 8 ppm	GC-MS	✓ PASS
13.	Residual DCM	≤ 600 ppm	< 3 ppm	GC-MS	✓ PASS
14.	Heavy Metals (Total by ICP-MS)	≤ 20 ppm	< 0.2 ppm	ICP-MS	✓ PASS
15.	Bacterial Endotoxins	< 1.0 EU/mg	< 0.01 EU/mg	LAL	✓ PASS
16.	Bioburden (TAMC)	< 10 CFU/g	< 1 CFU/g	Plate Count (Aerobic)	✓ PASS
17.	Amino Acid Ratio (AAA)	Within $\pm 5\%$ of theoretical	Conforms	Amino Acid Analysis	✓ PASS
18.	Molecular Weight Confirmation	Theoretical: 4732.3 Da	Confirmed	ESI-TOF Mass Spectrometry	✓ PASS

RP-HPLC (214nm)



ESI-TOF MASS SPECTRUM



Tested by independent ISO-accredited laboratories in North America. Full chromatographic and spectral data available upon request.

QC Release Authorized By:

CResearch

Date: **June 1, 2026**