Meridian Assay

Independent analytical testing - Cambridge MA

TASK NO.
DP7EA2L
Report MA-PEP-0017 - Rev. 01

CERTIFICATE OF ANALYSIS

Retatrutide - 10 mg

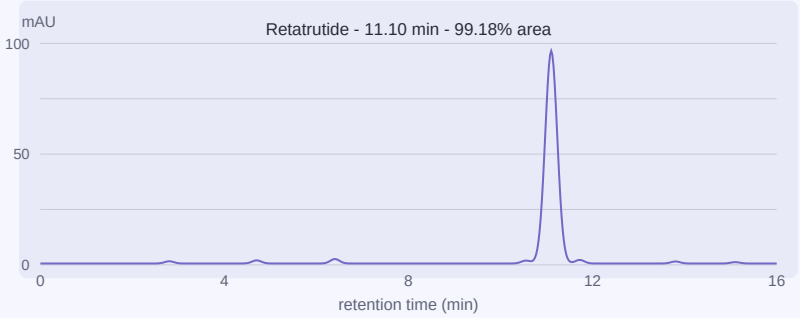
39-residue lipidated peptide - C221H342N46O68 - average MW 4731.42 g/mol

Material	Retatrutide	Client	novumpeptides.com	Received	2026-05-25 at 2-8 C
Batch / lot	PEP-17-A2L	Label claim	10 mg	Analysed	2026-05-26 to 2026-05-27

TEST RESULTS

ATTRIBUTE	RESULT	SPECIFICATION	METHOD	VERDICT
Identity	**Conforms**	Matches reference	MA-MS-014 / LC-HRMS	Conforms
Purity (area %)	**99.18%**	>= 99.00%	MA-UHPLC-031 / UV 214	Pass
Largest single impurity	**0.24%**	<= 0.50%	MA-UHPLC-031 / UV 214	Pass
Total related substances	**0.82%**	<= 1.00%	MA-UHPLC-031 / UV 214	Pass
Retatrutide per vial	**9.99 mg**	9.00-11.00 mg	MA-ASSAY-011 / UHPLC-UV	Pass
Water content	**4.38%**	<= 8.00%	MA-KF-004 / Karl Fischer	Pass
Residual acetonitrile	**197 ppm**	<= 410 ppm	MA-GC-006 / HS-GC-FID	Pass
Residual TFA	**0.10%**	<= 1.00%	MA-IC-003 / ion chromatography	Pass

RP-UHPLC processed trace, UV detection



Record DP7EA2L-PEP-01; duplicate independent preparations. System suitability met retention-time and resolution criteria; blank response was below threshold.

Related species > 0.05%

deletion sequence	0.24%
insertion sequence	0.18%
diastereomeric variant	0.13%
N-terminal variant	0.10%
C-terminal variant	0.07%
unresolved peaks	0.10%

Related species were assigned by orthogonal reference comparison and mass-spectrometric or chromatographic evidence. Mean area percentages; reporting threshold 0.05%.

Conclusion

Identity and quality attributes met the stated criteria. Mean Retatrutide content was 9.99 mg/vial and chromatographic purity was 99.18%.

Retatrutide identity was assessed by intact-mass LC-HRMS against the 39-residue lipidated reference structure; assay used UHPLC-UV against a qualified standard.

Analytical review
Ines Abadi I.Abadi

Quality review
Marcus Oyelaran
Approval date: 2026-05-28 M.Oyelaran

Decision rule: guarded acceptance; reported outcomes account for method uncertainty and remain within the stated project specifications.