

CERTIFICATE OF ANALYSIS

Product Name	Retatrutide(Cat.# 319206, >99% purity)
Lot No.	MTFA31721-071
Sequence	Tyr-{Aib}-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-{ α -Me-Leu}-Leu-Asp-Lys-{diacid-C20-gamma-Glu-(AEEA)-Lys}-Ala-Gln-{Aib}-Ala-Phe-Ile-Glu-Tyr-Leu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH ₂ (Sodium salt)
Dissolution condition	100% H ₂ O
Length	39AA
Modification	sodium salt
Molecular Weight (MW)	4731.33
Storage	-20°C

	Specifications	Results
Appearance	White to off-white lyophilized powder	Conforms
MW by MS	4731.33±2Da	4731.70Da
Dissolution	Tested: Water PBS DMSO	Water: soluble, 100mg/ml PBS: soluble, 100mg/ml DMSO: soluble, 100mg/ml
pH value	6.0-8.0	7.5
TFA	≤0.5%	0%,undetectable
Acetate	≤5.0%	0%,undetectable
Sodium salt	≤5.0%	1.20%
Purity	≥98.0%	99.70%
Impurity	Single Impurity ≤1.0% Total Impurity ≤2.0%	0.2% 0.3%
Polymer	≤5.0%	0.1%
Net peptide content (NPC)	≥80.0%	93.0%
Water	≤10.0%	4.9%

Certified by:

Quality Assurance Department

JULY/12/2025

