

CERTIFICATE OF ANALYSIS

Product Name	Retatrutide / LY3437943 (Cat.# 319206, >99% purity)
Lot No.	6009-1024-01-0620
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	4731.4 $\pm$ 1Da	4731.2Da
Dissolution	Tested: Water PBS DMSO	Water: soluble, 100mg/ml PBS: soluble, 100mg/ml DMSO: soluble, 100mg/ml
pH value	7.0-8.0	7.4
TFA	$\leq$ 0.5%	0%, undetectable
Acetate	$\leq$ 5.0%	0%, undetectable
Sodium salt	$\leq$ 5.0%	1.1%
Purity	$\geq$ 99.0%	99.649%
Impurity	Single Impurity $\leq$ 1.0%	0.3%
	Total Impurity $\leq$ 2.0%	0.3%
Polymer	$\leq$ 0.5%	0.09%
Net peptide content (NPC)	$\geq$ 85.0%	96.5%
Water	$\leq$ 8.0%	5.2%

Certified by: 
Quality Assurance Department

Jun/20/2025

