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Certification of Analysis

Product Name	Acetyl Tetrapeptide-3		
CAS. No.	827306-88-7	Batch No.	YS64241201
Molecular Formula	C ₂₂ H ₃₉ N ₉ O ₅	Molecular Weight	509.61
Cat. No	QT-1004	Manufacturing Date	02/18/2025
Storage	2 - 8°C	Retest Date	02/17/2027
Sequence	Ac-Lys-Gly-His-Lys-NH ₂ (Ac-KGHK)		
TEST		SPECIFICATION	RESULT
Appearance		White ow off-white powder	Conformed
Solubility		Soluble in water	Conformed
Solution Clarity		Clear, colorless	Conformed
Molecular Ion Mass		509.61 ± 1	509.66
Amino Acid Composition		Gys: 1.80~2.20 Gly: 0.90~1.10 His: 0.90~1.10	Conformed
Peptide Purity (By HPLC)		≥ 98.0%	99.69%
Acetic Acid content (By HPLC)		≤ 250%	2.38%
Water Content (Karl Fischer)		≤ 8.0%	2.13%
Related Substances (by HPLC)		Total Impurities (%) ≤ 1.0%	0.66%
TFA Content		≤ 1.0%	N.D.
Peptide Content		≥ 85.0%	96.27%
Escherichia Coli		N.D.	Conformed
Pseudomonas Aeruginosa		N.D.	Conformed
Staphylococcus Aureus		N.D.	Conformed

Tested By Jane Merrill, Checked By Ashley Bennet, Audited By Liu Jing

Qualitide Quality Control Department Date: **2025-10-06**