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Certification of Analysis

INCI Name	Acetyl Octapeptide-3		
CAS. No.	868844-74-0	Batch No.	YS042240701
Molecular Formula	$C_{41}H_{70}N_{16}O_{16}S$	Molecular Weight	1075.18
Cat. No	QT-1003	Manufacturing Date	07/09/2025
Storage	2 - 8°C	Retest Date	07/08/2027
Sequence	Ac-Glu-Glu-Met-Gln-Arg-Arg-Ala-Asp-NH ₂		
TEST		SPECIFICATION	RESULT
Appearance		White or off-white powder	Conformed
Identity by HPLC		The retention is same as the reference substance	Confirmed
Identity by MS		1075.18 ± 1	1075.29
Solubility		≥ 2 mg/ml (H ₂ O)	Conformed
Solution Clarity		Clear, colorless	Conformed
Amino Acid Composition		Glu: 1.80~2.20 Met: 0.90~1.10 Gln: 0.90~1.10 Arg: 1.80~2.20	Conformed
Peptide Purity (By HPLC)		≥ 98.0%	98.98%
Acetic Acid content (By HPLC)		≤ 15.0%	5.43%
Water Content (Karl Fischer)		≤ 8.0%	4.61%
Related Substances (by HPLC)		Total Impurities (%) ≤ 1.0%	0.66%

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

Qualitide Quality Control Department Date: 2026-02-17