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Certification of Analysis

Product Name	Palmitoyl Tripeptide-1		
CAS. No.	147732-56-7	Batch No.	YSS240401
Molecular Formula	C ₃₀ H ₅₄ N ₆ O ₅	Molecular Weight	578.80
Cat. No	QT-1014	Manufacturing Date	04/01/2024
Storage	2 - 8°C	Retest Date	03/31/2026
Sequence	Pal-Lys-Val-Lys-OH		
TEST		SPECIFICATION	RESULT
Appearance		White ow off-white powder	Conformed
Solubility		Soluble in water	Conformed
Solution Clarity		Clear, colorless	Conformed
Molecular Ion Mass		578.80 ± 1	578.51
Amino Acid Composition		Gly: 0.90~1.10 Lys: 0.90~1.10 His: 0.90~1.10	Conformed
Peptide Purity (By HPLC)		≥ 98.0%	99.32%
Chloride content (By HPLC)		≤ 150%	11.02%
Water Content (Karl Fischer)		≤ 8.0%	0.91%
Bacterial Endotoxins		≤ 300 EU/mg	Conformed
Microbial Counts			
Total bacterial count		≤ 200CFU/g	60CFU/g
Escherichia Coli		N.D.	Conformed
Pseudomonas Aeruginosa		N.D.	Conformed
Staphylococcus Aureus		N.D.	Conformed
Conclusion: The test results meet the required specifications, and the item is qualified.			

Storage Recommendation:

- Short-Term Storage: Store at 2–8°C in a cool, dry place.
- Long-Term Storage: Store at -20°C to -15°C.
- General Conditions: Protect from light and keep the packaging airtight when not in use.

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

Qualitide Quality Control Department Date: **2025-04-12**