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Certification of Analysis

Product Name	Pentapeptide-18		
CAS. No.	63963-01-5	Batch No.	YS59240801
Molecular Formula	C ₂₉ H ₃₉ N ₅ O ₇	Molecular Weight (g/mol)	569.28
Cat. No	QT-1016	Manufacturing Date	08/16/2024
Storage	2 - 8°C, prefer -15~-20°C for long-term storage	Retest Date	10/27/2026
Sequence	H-Tyr-D-Ala-Gly-Phe-Leu-OH		
TEST		SPECIFICATION	RESULT
Appearance		White or off-white powder	Conformed
Identity by HPLC		The retention is same with the reference substance	Confirmed
Identity by MS		569.28 ± 1	569.45
Peptide Purity (By HPLC)		≥ 98.0%	99.08%
Solubility		Soluble in water	Conformed
Water Content (Karl Fischer)		≤ 8.0%	1.39%
HCl Content		≤ 15.0%	5.69%
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: **2025-02-25**