



大连汉德姆精细化学品有限公司

**DALIAN HANDOM CHEMICALS CO.,LTD.**

### Certificate of Analysis

**Product Name:** Palmitoyl Pentapeptide-4

**Molecular Formula:** C<sub>39</sub>H<sub>75</sub>N<sub>7</sub>O<sub>10</sub>

**Batch No.:** HDC20230717

**Manufacturing Date:** Jul 17<sup>th</sup>, 2023

**CAS No.:** 214047-00-4

**Molecular Weight:** 802.05

**Batch Quantity:** 2081.48g

**Retest Date:** Jul 16<sup>th</sup>, 2025

Test Items		Specifications	Test Results
Appearance		White powder or almost white powder	White powder
Molecular Ion Mass		802.05	Conforms
Purity (HPLC)		Not less than 98.0%	98.5%
Related Substances (HPLC)	Maximum single impurity	Not more than 1.0%	0.30%
	Total impurities	Not more than 2.0%	1.5%
Acetic Acid Content (HPLC)		Not more than 15.0%	8.4%
Water Content (Karl Fischer)		Not more than 8.0%	7.3%
TFA Content (HPLC)		Not more than 1.0%	Not detected

**Conclusion:** The testing results of this batch are complied with the Enterprise Standard.

**Storage Conditions:** Preserved in airtight containers at 2°C to 8°C for short-term storage; kept at -20±5°C for long-term storage.