



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

Certificate of Analysis

Product Name: Nonapeptide-1

Molecular Formula: C₆₁H₈₇N₁₅O₉S

Batch No.: HDC20230607

Manufacturing Date: Jun 7th, 2023

CAS No.: 158563-45-2

Molecular Weight: 1206.5

Batch Quantity: 2952.14g

Retest Date: Jun 6th, 2025

Sequence: Met-Pro-D-Phe-Arg-D-Trp-Phe-Lys-Pro-Val-NH₂

Test Items	Specifications	Test Results
Appearance	White or off-white powder	White powder
Molecular Ion Mass	1206.5	Conforms
Purity (HPLC)	Not less than 99.0%	99.3%
Water Content (Karl Fischer)	Not more than 8.0%	3.3%
Acetic Acid Content (HPLC)	Not more than 15.0%	10.1%
TFA Content (HPLC)	Not more than 0.5%	Not detected
pH Value (1% Aqueous Solution)	5.5 ~ 7.5	6.5
Peptide Content	Not less than 80.0%	86.0%
Water Solubility	Not less than 100mg/mL	Conforms

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.