

Certificate of Analysis

Product Name	ARA 290		
CAS No.	1208243-50-8	Batch No.	2024021601-1
Molecular Formula	C ₅₁ H ₈₄ N ₁₆ O ₂₁	Date of Producing	2024/02/26
Molecular Weight	1257.31	Retest Date	2026/02/25
Date of Survey	2024/03/01	Condition of Storage	-20±5°C
Reference Standard	Enterprise Standard		

TEST	SPECIFICATION	RESULT
Appearance	White or almost white powder	Conform
Solubility	Insoluble in water	Conform
Water Content (Karl Fischer)	≤ 8.0%	5.4%
Acetic Acid (By HPLC)	≤ 15.0%	ND
Trifluoroacetic acid (By HPLC)	≤ 0.25%	ND
Peptide Purity (By HPLC)	≥ 98.0%	99.3%
Related Substance (By HPLC)	Total Impurities(%) ≤ 2.0%	0.7%
	Largest Single Impurity(%) ≤ 1.0%	0.2%
Peptide content	≥ 80.0%	94.3%
Organic Solvent Residue	Acetonitrile ≤ 0.041%	0.005%
	Dichloromethane ≤ 0.060%	ND
	N,N-Dimethylformamide ≤ 0.088%	0.003%
Bacterial endotoxin	<10EU/mg	<10EU/mg

Conclusion: the product conforms with enterprise standard and qualified

The product is for compliant use only.