

BATCH QUALITY DOCUMENT

Certificate of Analysis

Batch-specific analytical results, QSC Peptidology in-house QC.

Product	ARA-290	Batch	AR-2608
Mfg date	2026-08-13	Test date	2026-08-14
Retest date	2028-08-12	Quantity	28.6g
Molecular formula	C51H84N16O21	Molecular weight	1256.6
CAS No.	1208243-50-8	Storage condition	-20±5°C

Test Item	Acceptance Criteria	Test Result	Status
Appearance	White or off-white powder	White powder	PASS
Solubility	Soluble in water (36mg/ml)	Meet the requirements	PASS
Trifluoroacetic acid	≤0.5%	ND	PASS
Acetic Acid	≤12.0%	ND	PASS
Residual solvents	Acetonitrile ≤410ppm	40ppm	PASS
Identity By MS	1257.31±1.0Da	1256.6Da	PASS
Water Content (Karl Fischer)	≤8.0%	2.94%	PASS
Peptide Purity (By HPLC)	≥99%	99.1%	PASS
Related Substance	Total Impurities ≤1% Largest Single Impurity ≤0.5%	0.9% 0.17%	PASS
Peptide content	≥85.0%	96.2%	PASS
Bacterial Endotoxins	<10EU/mg	<10EU/mg	PASS
Microbial limit	Total aerobic bacteria ≤100cfu/g Mould & Yeast ≤100cfu/g	≤100cfu/g ≤100cfu/g	PASS

CONCLUSION	Meets all specifications stated above.
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