

BATCH QUALITY DOCUMENT

Certificate of Analysis

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

Product	Mazdutide	Batch	MA-2604
Mfg date	2026-04-25	Test date	2026-05-05
Retest date	2028-04-24	Quantity	8.25g
Molecular formula	C210H322N46O67	Molecular weight	4562.7
Storage condition	-20±5°C		

Test Item	Acceptance Criteria	Test Result	Status
Appearance	White or almost white powder	Meet the requirements	PASS
Solubility	Soluble in water	Meet the requirements	PASS
Identity By MS	4563.06±1	4562.7	PASS
Water Content (Karl Fischer)	≤8.0%	2.6%	PASS
Sodium ion	1.0%~2.0%	1.8%	PASS
Acetic Acid (By HPLC)	≤0.5%	ND	PASS
Trifluoroacetic acid (By HPLC)	≤0.5%	ND	PASS
Peptide Purity (By HPLC)	≥98.0%	99.5%	PASS
Related Substance	Total impurities ≤2.0% Largest single impurity ≤1.0%	0.5% 0.1%	PASS
Peptide content	≥85.0%	95.1%	PASS
Assay	95.0%~105.0%	99.6%	PASS
Organic solvent residue	Acetonitrile ≤0.041% Dichloromethane ≤0.060% N,N-Dimethylformamide ≤0.088%	<0.041% <0.060% <0.088%	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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