

BATCH QUALITY DOCUMENT

Certificate of Analysis

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

Product	Gonadorelin	Batch	GON-2607
Mfg date	2026-07-15	Test date	2026-07-23
Retest date	2028-07-14	Quantity	5.5g
Molecular formula	C55H75N17O13	Molecular weight	1181.8
Storage condition	-20±5°C		

Test Item	Acceptance Criteria	Test Result	Status
Appearance	White or off-white powder	Off-white powder	PASS
Solubility	Soluble in water	Meet the requirements	PASS
Identity by MS	1182.2±1.0	1181.8	PASS
Specific Optical Rotation	-54.0°~-66.0° (C=1.1%HAc)	-60.3°	PASS
Water Content (Karl Fischer)	≤7.5%	5.5%	PASS
Acetic Acid	≤12.5%	8.54%	PASS
TFA	≤0.25%	0.22%	PASS
Purity (By HPLC)	≥98.0%	98.3%	PASS
Related substance	Single impurity ≤1.0% Total impurities ≤2.0%	0.47% 1.7%	PASS
Peptide content	≥80.0%	84.3%	PASS
Bacterial endotoxin	<70 IU/mg	<70 IU/mg	PASS
Microbial limit	Total aerobic ≤100cfu/g Mold and Yeast ≤10cfu/g	<10cfu/g 10cfu/g	PASS

CONCLUSION	Meets all specifications stated above.
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