

BATCH QUALITY DOCUMENT

Certificate of Analysis

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

Product	Epitalon	Batch	EP-2607
Mfg date	2026-07-01	Test date	2026-07-01
Retest date	2028-06-30	Quantity	38.5g
Molecular formula	C14H22N4O9	Molecular weight	390.35
CAS No.	307297-39-8	Storage condition	Light-protected, sealed

Test Item	Acceptance Criteria	Test Result	Status
Appearance	White to off-white powder	Meet the requirements	PASS
Purity (By HPLC)	≥98.0%	99.9%	PASS
Acetate content	≤10.0%	1.85%	PASS
Water	≤8.0%	7.8%	PASS
Solubility	Soluble in water	Meet the requirements	PASS
Organic solvent residue	Acetonitrile ≤410ppm DMF ≤880ppm	ND (<5ppm) ND	PASS
Peptide Content	Report	90%	PASS
Trifluoroacetic acid	≤0.5%	ND	PASS
Heavy metals (Pb/As/Hg/Cd)	Report	ND (<0.05ppm each)	PASS
pH	Report	7.21	PASS
Related Substances	Max single impurity NMT 1% Total impurities NMT 1%	0.3% 0.58%	PASS
Microbial Limit	TYMC ≤100cfu/g TAMC ≤1000cfu/g Thermotolerant E. coli / S. aureus / P. aeruginosa / Salmonella: not detected/g	Meet the requirements <10cfu/g Meet the requirements	PASS
Bacterial Endotoxins	≤10EU/mg	Meet the requirements	PASS
Residual solvents (M ethanol/DCM/MTBE)	Report	ND (<10/<2/<5ppm)	PASS

CONCLUSION Meets all specifications stated above.

For research and development use only. Not for human or veterinary use.

QSC Peptidology | Research use only