



Product Name	Epithalon	CAS #	307297-39-8
Molecular Formula	C14H22N4O9	Molecular Weight	390.35
Batch #	TH2205001	Date of Mfg	2022-07-16
Reference Standard	Enterprise Standard	Retest Date	2024-07-15
Storage	In an airtight container, protected from light, at a temp of 2C to 8C		

TEST	SPECIFICATION	RESULT
Appearance	White or almost white fluffy powder	Conform
Solubility	Soluble in water	Conform
Water Content (Karl Fischer)	≤ 8.0%	4.90%
Trifluoroacetic Acid	≤ 0.5%	Not Detected
Peptide Purity (By HPLC)	≥ 98.0%	98.90%
Related Substance (By HPLC)	Total Impurities (%) ≤ 2.0%	1.10%
	Largest Single Impurity (%) ≤ 1.0%	0.60%
Bacterial Endotoxins	≤ 10EU/mg	Conform
Assay	≥ 90.0%	99.18%
Residual Solvents	Acetonitrile: NMT 410ppm	110ppm
	Dichloromethane: NMT 600ppm	Not Detected
	DMF: NMT 880ppm	Not Detected

Conclusion	This batch conforms with enterprise standards and qualified
Test Performed By	Mike M
Test Date	7/21/22