PURPOSE PEPTIDES

Company Name	Purpose Peptides LLC
Task Number	

Name	Epithalon
Sample	Purpose Epithalon 50mg
Batch	ET50/2025-0801
Order Date	7/29/2025
Received	8/82025
Conducted	8/11/2025
CAS#	307297-39-8
Formula	C14H22N4O9
M.W.	390.349 g/mol
Test Type	LC-MS, Mass Spec, HPLC
Appearance	Odorless, white powder

Purity & Impurity Profile

Test	Specification	Result	
Total Purity (HPLC)	≥ 98.00%	**99.22%**	**Pass**
Single Impurity	≤ 1.00%	**0.72%**	**Pass**
Total Impurities	≤ 2.00%	**0.84%**	**Pass**
Water Content	≤ 6.00%	**3.31%**	**Pass**
TFA Content	≤ 0.50%	**0.43%**	**Pass**

Identity Testing

Test	Specification	Result	
Peptide Sequence Confirmation (LCMS)	Pass / No Pass	**C14H22N4O9**	**Pass**
Purity Profile (HPLC)	≥ 98.00%	**99.21%**	**Pass**
Retention Time (HPLC)	Within Reference Range	**Complies**	**Pass**

Additional Testing

Test	Specification	Result	
Mass Analysis	Within ±1.0 Da	**Verified**	**Pass**
Endotoxin	< 0.25 EU/mg	**Complies**	**Pass**
Bioburden	< 100 CFU/g	**Not Detected**	**Pass**
Heavy Metals	≤ 10 ppm	**Complies**	**Pass**

Comments

Purpose Peptides LLC

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Date: **8/11/2025**

Signature: