



## Certificate of Analysis

### Epithalon Acetate

**Product Name** : Epithalon Acetate  
**Mfg. Date** : Jan 15, 2024  
**M.F.** :  $C_{16}H_{26}N_4O_{11}$   
**CAS No.** : 307297-40-1  
**Sequence** : Ala-Glu-Asp-Gly •  $CH_3COOH$

**Lot No.** : DL8098  
**Exp. Date** : Jan 14, 2027  
**M.W.** : 450.40  
**Batch Qty** : 109 g

TESTS	SPECIFICATIONS		RESULTS
Appearance	White or almost white crystalline powder		White crystalline powder
Solubility	Soluble in water		Conforms
Amino Acid Composition (AAA)	Ala	0.9 – 1.1	0.9
	Glu	0.9 – 1.1	1.0
	Asp	0.9 – 1.1	0.9
	Gly	0.9 – 1.1	1.0
Mass (MS)	390.35 ± 1		390.16
Water Content (KF)	≤ 10.0%		3.1%
Acetate Content (HPLC)	≤ 15.0%		0.8%
Peptide Content (N%)	≥ 70.0%		78.9%
Peptide Purity (HPLC) (CP2020)	≥ 98.0%		99.0%
Related Substances (HPLC)	Total Impurities	≤ 2.0%	1.0%
	Largest Single Impurity	≤ 1.0%	0.6%
Bacterial Endotoxins (USP2022)	≤ 10 EU/mg		< 10 EU/mg
Microbial Limits (USP2022)	Total Aerobic Microbial Count	≤ $10^2$ cfu/g	< 20 cfu/g
	Total Yeast and Mold Count	≤ $10^2$ cfu/g	< 20 cfu/g
	<i>E. coli</i>	Absent	Absent
Conclusion: The product is a synthetic peptide and meets the In-House specifications. Long Term Storage: Store in a sealed container at 2°C - 8°C in the Fridge or in the Freezer. Distributed by Darmerica.			

Note: Analytical results transcribed from the original COA provided by Nanjing JaySenYu Biological Technology Co., Ltd. (China); Lot No. EP2401005-EP021.

Based on the review of above information, the lot stands released.

	Name	Title	Signature	Date
Prepared by	Kamlesh Mistry	Quality Manager		05/06/2024
Released by	Pietro Pazzetty	Quality Assistant		05/08/2024