

Certificate of Analysis



PE 22-28 Acetate

Product Name : PE 22-28 Acetate	Lot No. : DL8230
Mfg. Date : May 17, 2024	Exp. Date : May 16, 2027
M.F. : C ₃₇ H ₅₉ N ₁₁ O ₁₁	M.W. : 833.09
CAS No. : N/A	Batch Qty : 220 g
Sequence : H-Gly-Val-Ser-Trp-Gly-Leu-Arg-OH · CH ₃ COOH	

TESTS	SPECIFICATIONS		RESULTS
Appearance	White or almost white crystalline powder		White crystalline powder
Solubility	Soluble in water		Complies
Mass (MS)	773.4 ± 1		774.4
Amino Acid Composition (AAA)	Ser	0.9 – 1.1	1.0
	Val	0.9 – 1.1	1.0
	Leu	0.9 – 1.1	1.0
	Arg	0.9 – 1.1	0.9
	Gly	1.8 – 2.2	2.1
Acetate Content (HPLC)	≤ 15.0%		7.50%
Water Content (KF)	≤ 10.0%		4.30%
Residual Solvent (GC)	Formaldehyde	Negative	Negative
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
Bacterial Endotoxins (USP2022)	≤ 10 EU/mg		< 10 EU/mg
Peptide Content (N%)	≥ 80.0%		88.4%
Assay (On Anhydrous and Acetate Free Basis) (HPLC) (CP2020)	95.0 – 102.0%		99.6%
Peptide Purity (HPLC) (CP2020)	≥ 98.0%		99.6%
Related Substances (HPLC)	Total Impurities	≤ 2.00%	0.40%
	Single Largest Impurity	≤ 1.00%	0.10%
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 a fridge or freezer. Distributed by Darmerica.			

Note: Analytical results transcribed from the original COA provided by Chengdu Weihuitai Pharmaceutical Technology Co., Ltd. (China); Lot No.: WHT-102/20240517/13.

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

	Name	Title	Signature	Date
Prepared by	Kamlesh Mistry	Quality Manager		07/08/2024
Released by	Pietro Pazzetty	Quality Assistant		07/11/2024