



Certificate of Analysis

AOD9604 Acetate

Product Name : AOD9604 Acetate Lot No. : DL8354
Mfg. Date : May 22, 2024 Exp. Date : May 21, 2027
M.F. : $C_{80}H_{127}N_{23}O_{25}S_2$ M.W. : 1875.1
CAS No. : 221231-10-3 (Free Base) Batch Qty : 387 g
Sequence : H-Tyr-Leu-Arg-Ile-Val-Gln-Cys-Arg-Ser-Val-Glu-Gly-Ser-Cys-Gly-Phe-OH • CH_3COOH

TESTS	SPECIFICATIONS		RESULTS
Appearance	White or almost white crystalline powder		White crystalline powder
Solubility	Soluble in water		Conforms
Identification (MS)	1815.1 ± 1		1815.3
Amino Acid Composition (AAA)	Phe	0.8 – 1.2	1.1
	Tyr	0.8 – 1.2	1.0
	Leu	0.8 – 1.2	1.0
	Ile	0.8 – 1.2	1.1
	Val	1.6 – 2.4	1.9
	Cys	1.6 – 2.4	2.1
	Ser	1.6 – 2.4	2.1
	Glu	1.6 – 2.4	2.3
	Gly	1.6 – 2.4	2.1
Arg	1.6 – 2.4	2.2	
Water Content (KF)	≤ 10.0%		6.40%
Acetic Acid Content (HPLC)	≤ 15.0%		5.60%
Residual Solvent (GC)	Formaldehyde	Negative	Negative
Peptide Content (N%)	≥ 80.0%		87.9%
Peptide Purity (HPLC)	≥ 98.0%		98.8%
Related Substances (HPLC) (CP2020)	Total Impurities	≤ 2.00%	1.20%
	Largest Single Impurities	≤ 1.00%	0.60%
Bacterial Endotoxins (USP2022)	≤ 10 EU/mg		< 10EU/mg
Microbial Limits (USP2022)	Total Aerobic Microbial Count	≤ 10 ² CFU/g	< 20 CFU/g
	Total Yeast and Mold	≤ 10 ² CFU/g	< 20 CFU/g
	<i>E. coli</i>	Absent	Absent
Assay (On Anhydrous and Acetic Acid-Free Basis) (HPLC) (CP2020)	95.0 – 105.0%		99.9%
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 Chengdu Weihualai Pharmaceutical Technology Co., Ltd. (China); Lot No. WHT-211/20240522/09.

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

	Name	Title	Signature	Date
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Released by	Christina Boykin	Quality Supervisor	<i>Christina Boykin</i>	09/17/2024