

Certificate of Analysis

Product	Aviptadil Powder (Synthetic)	CAS No.:	40077-57-4
Molecular Formula		C ₁₄₇ H ₂₃₈ N ₄₄ O ₄₂ S ₁	
Sequence	His-Ser-Asp-Ala-Val-Phe-Thr-Asp-Asn-Tyr-Thr-Arg-Leu-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Asn-Ser-Ile-Leu-Asn-NH ₂		
Batch No.	25092601-04	Quantity	300.0g
Mfg. Date	Dec. 12 th , 2025	Retest Date	Dec. 11 th , 2027

【ITEMS】	【SPECIFICATIONS】	【RESULTS】
Appearance	White or off-white powder	White powder
Solubility	Soluble in 0.5% acetic acid	Conforms
HPLC	The principal peak in the chromatogram obtained with the test solution is similar in retention time to principal peak in the chromatogram obtained with the reference solution.	Conforms
Amino acid content	Ala 1.8-2.2	2.0
	Ser 1.8-2.2	2.0
	Val 1.8-2.2	2.0
	Thr 1.8-2.2	1.9
	Leu 2.7-3.3	3.0
	Ile 0.9-1.1	1.0
	Asx 4.5-5.5	5.1
	Glx 0.9-1.1	1.0
	Lys 2.7-3.3	2.9

	Met 0.9-1.1	1.0
	His 0.9-1.1	1.0
	Phe 0.9-1.1	1.0
	Arg 1.8-2.2	2.0
	Tyr 1.8-2.2	2.0
Mass spectrum	3325.8±1.0	3325.1
Purity(HPLC)	NLT 98.0%	99.1%
Acetic acid	NMT 15.0%	11.5%
Trifluoroacetate	NMT 0.5%	N.D
Water content(KF)	NMT 8.0%	3.7%
Peptide content(%)	NLT 80.0%	84.0%
Oligomer	NMT 1.0%	N.D
Heavy metal	NMT 10ppm	Conforms
Residual solvent	Methylene chloride NMT 600ppm	N.D
	Acetonitrile NMT 410ppm	N.D
	Methyl tert-butyl ether NMT 5000 ppm	N.D
	DMF NMT 880ppm	N.D
Bacterial endotoxins	NMT 10EU/mg	Conforms
Microbial limits	TAMC NMT 100cfu/g TYMC NMT 100cfu/g	Conforms
Storage	In an air tight container, protected from light; Short Term:2-8°C ; Long Term:below-10°C	
Conclusion: This batch of product complies with Enterprise Standard.		