



DEEPHARMA TECHNOLOGY PK, LTD

12/F, Tower B, Southmark, 11 Yip Hing Street, Wong Chuk Hang, Hong Kong

Certification of Analysis

Peptide	Custom Peptide-813	Batch No.	CP813251101
CAS No.	2381089-83-2	Item No.	YSRET39
MF.	C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈	Manufacturing Date	10/24/2025
MW.	4731.42	Retest Date	10/23/2027
Sequence	Tyr-{Aib}-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile- α -Me-Leu}-Leu-Asp-Lys-{diacid-C20-gamma-Glu-(AEEA)-Lys}-Ala-Gln-{Aib}-Ala-Phe-Ile-Glu-Tyr-Ieu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Ser-NH ₂		
TEST		SPECIFICATION	RESULT
1	Appearance	White or almost white powder	Conforms
2	Related Substance	Total Impurities: $\leq 2.0\%$ Maximum single impurity: $\leq 1.0\%$	0.77% 0.23%
3	Identification by MS	4731.42 \pm 4	Conforms
4	Water Content (K.F)	$\leq 8.0\%$	2.8%
5	Sodium ion (IC)	$\leq 5.0\%$	1.1%
6	Solubility	$\geq 5\text{mg/ml}(\text{H}_2\text{O})$	Conforms
7	Peptide Content	$\geq 80.0\%$	95.4%
8	Peptide Purity (By HPLC)	$\geq 98.0\%$	99.23%
9	Bacterial Endotoxins	$\leq 10\text{EU/mg}$	Conforms
10	pH	7.0-9.0 (C=5mg/ml)	7.7
11	Residual solvent	Methanol $\leq 3000\text{ppm}$ Acetonitrile $\leq 410\text{ppm}$ Methylene chloride $\leq 600\text{ppm}$ Isopropyl ether $\leq 5000\text{ppm}$ N,N-Dimethylformamide $\leq 880\text{ppm}$	N.D 79ppm N.D N.D N.D
12	Microbial limits	TAMC $\leq 1000\text{cfu/g}$ TYMC $\leq 100\text{cfu/g}$	Conforms Conforms

13	Acid group Ions	Trifluoroacetate ion≤1000ppm Phosphate ion≤1000ppm Chloride ion≤1000ppm Acetic acid≤1000ppm	N.D N.D N.D N.D
14	Escherichia Coil	Not detected	Conforms
15	Pseudomonas Aeruginosa	Not detected	Conforms
16	Staphylococcus Aureus	Not detected	Conforms
17	Salmonella	Not detected	Conforms

Tested By QingHuo , Audited By KeLiu , Date: 2025-11-11

YoungShe Chem Quality Control Department



Notes: This peptide is just chemical reagent for lab research only, not for human diagnosis, treatment, or any other illegal purposes.

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