



Anabolic Complex

MT-2 Certification of Analysis

Product Name	MTII Acetate	CAS No.	121062-08-6
Molecular	CB _{50B} HB _{69B} NB _{15B} OB _{9BBB}	Batch No.	P190112-MTS010
Molecular Weight	1024.2	Manufacturing Date	2019.01.12
Storage	Cool dry place	Retest Date	2021.01.12
Sequence	Ac-NLE-c[ASP-His-d-PHE-ARG-TRP-LYS]-NH ₂ Chemical Bridge Asp2-Lys7		
TEST		SPECIFICATION	RESULT
1	Appearance	White powder	White powder
2	Solubility	Soluble in water or 1% acetic acid at a concentration of ≥ 1 mg/ml to give a clear, colorless solution	Soluble in water 10mg/ml
3	Identification (MS)	1024.2 \pm 1.0	1024.2
4	Amino Acid Composition	Asp: 0.90 ~ 1.10 His: 0.90 ~ 1.10 Arg: 0.90 ~ 1.10 Lys: 0.90 ~ 1.10 Phe: 0.90 ~ 1.10 Trp: Present	0.88 1.05 1.00 0.93 1.03 Present
3	Amino Acid Composition	$\pm 10\%$ of theoretical	Conforms
4	Peptide Purity (By HPLC)	$\geq 98.0\%$ by area integration	99.18%
5	Related Substance (By HPLC)	Total Impurities($\%$) $\leq 1.0\%$ Largest Single Impurity($\%$) $\leq 1.0\%$	0.82% 0.39%
6	Acetate Content (By HPLC)	$\leq 15.0\%$	11.3%
7	Water Content (Karl Fischer)	$\leq 8.0\%$	3.5%
8	Bacterial Endotoxins	≤ 5 EU/mg	Conform
9	Peptide Content (N determination)	$\geq 80.0\%$	87.5%
10	Assay (By Anhydrous, Acetic)	95.0 ~ 105.0%	98.8%

