



Anabolic Complex

IGF-1 LR3 Certification of Analysis

Product Name	IGF-1 LR3	CAS No.	946870-92-4
Molecular	$C_{400}H_{625}N_{111}O_{115}S_9$	Batch No.	P190118-LR3001
Molecular Weight	9117.5	Manufacturing Date	20190118
Storage	Cool dry place	Retest Date	20210118
Sequence	MFPAMPLSSL FVNGPRTL CG AELVDALQFV CGDRGFYFNK PTGYGSSRR APQTGIVDEC CFRSCDLRRL EMYCAPLKPA KSA		
TEST		SPECIFICATION	RESULT
1	Appearance	White powder	White powder
2	Solubility	Soluble in water or acetic acid at a to give a clear, colorless solution	Conforms
3	Identification (MS)	9117.5 ±1.0	9117.5
3	Amino Acid Composition	±10% of theoretical	Conforms
4	Peptide Purity (By HPLC)	≥98.0% by area integration	98.48%
5	Related Substance (By HPLC)	Total Impurities(%)≤2.0% Largest Single Impurity(%)≤1.0%	1.52% 0.8745%
6	Acetate Content (By HPLC)	≤15.0%	12.8%
7	Water Content (Karl Fischer)	≤8.0%	3.5%
8	Bacterial Endotoxins	≤5EU/mg	Conform
9	Peptide Content (N determination)	≥80.0%	86.3%
10	Assay (By Anhydrous, Acetic)	95.0~105.0%	102.6%