



# Anabolic Complex

## HGH fragment 176-191 Certification of Analysis

<b>Product Name</b>	HGH Fragment176-191	<b>CAS No.</b>	12629-01-5
<b>Molecular</b>	C78H125N23O23S2	<b>Batch No.</b>	P190118-BTC002
<b>Molecular</b>	1817.12	<b>Manufacturing Date</b>	20190118
<b>Storage</b>	Cool dry place	<b>Retest Date</b>	20210118
<b>Sequence</b>	Tyr-Leu-Arg-Ile-Val-Gln-Cys-Arg-Ser-Val-Glu-Gly-Ser-Cys-Gly-Phe		
<b>TEST</b>		<b>SPECIFICATION</b>	<b>RESULT</b>
1	<b>Appearance</b>	White powder	White powder
2	<b>Solubility</b>	Soluble in water or acetic acid at a to give a clear, colorless solution	Conforms
3	<b>Identification (MS)</b>	1817.12±1.0	1817.4
3	<b>Amino Acid Composition</b>	±10% of theoretical	Conforms
4	<b>Peptide Purity (By HPLC)</b>	≥98.0% by area integration	98.16%
5	<b>Related Substance(By HPLC)</b>	Total Impurities(%)≤5.0% Largest Single Impurity(%)≤2.0%	3.48% 1.88%
6	<b>Acetate Content (By HPLC)</b>	≤15.0%	12.8%
7	<b>Water Content(Karl Fischer)</b>	≤8.0%	3.5%
8	<b>Bacterial Endotoxins</b>	≤5EU/mg	Conform
	<b>Peptide Content (N determination)</b>	≥80.0%	80.3%
10	<b>Assay(By Anhydrous, Acetic</b>	95.0~105.0%	96.6%