

**KAIJIE**

Chengdu KaiJie Biopharm Co., Ltd.

Segment 1, Industrial Road, Dayi County, Chengdu, Sichuan, P. R. China, 611330

Tel: 86-28-88208155, Fax: 86-28-88203632 WEB: www.kjpep.com

Certification of Analysis

Product Name	<i>GHRP-2 Acetate</i>	CAS. No.	<i>158861-67-7</i>
Molecular Formula	$C_{45}H_{55}N_9O_6$	Batch No.	<i>20100407</i>
Molecular Weight	817.97	Manufacturing Date	<i>04/07/2010</i>
Storage	2 ~ 8 °C	Retest Date	<i>04/06/2012</i>
Sequence	D-Ala-D-β-Nal-Ala-Trp-D-Phe-Lys-NH ₂		
TEST		SPECIFICATION	RESULT
1	Appearance	<i>White powder</i>	<i>White powder</i>
2	Solubility	<i>Soluble in water or acetic acid to give a clear, colorless solution</i>	<i>Conforms</i>
3	Amino Acid Composition	<i>±10% of theoretical</i>	<i>Conforms</i>
4	Peptide Purity (By HPLC)	<i>≥ 95.0% by area integration</i>	<i>98.88%</i>
5	Related Substance (By HPLC)	<i>Total Impurities(%) ≤ 5.0%</i> <i>Largest Single Impurity(%) ≤ 2.0%</i>	<i>1.12%</i> <i>0.46%</i>
6	Acetate Content (By HPLC)	<i>≤ 15.0%</i>	<i>13.03%</i>
7	Water Content (Karl Fischer)	<i>≤ 8.0%</i>	<i>3.54%</i>
8	Bacterial Endotoxins	<i>≤ 5 EU/mg</i>	<i>Conform</i>
9	Peptide Content (N determination)	<i>≥ 80.0%</i>	<i>82.15%</i>
10	Assay (By Anhydrous, Acetic Acid-free)	<i>95.0 ~ 105.0%</i>	<i>98.72%</i>

Quality Control By Zhouzhongbing Date: 2010-05-21

Quality Assurance Department