



# 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

<b>Product Name</b>	<i>Pramlintide Acetate</i>	<b>CAS. No.</b>	196078-30-5
<b>Molecular</b>	$C_{171}H_{267}N_{51}O_{53}S_2$	<b>Batch No.</b>	20090203
<b>Molecular Weight</b>	3949.37	<b>Manufacturing Date</b>	02/03/2009
<b>Storage</b>	2 ~ 8 °C	<b>Retest Date</b>	02/02/2011
<b>Sequence</b>	<div style="text-align: center;"> <math display="block">\begin{array}{c} \text{Lys-Cys-Asn-Thr-Ala-Thr-Cys-Ala-Thr-Gln-Arg-} \\ \text{Leu-Ala-Asn-Phe-Leu-Val-His-Ser-Ser-Asn-Asn-} \\ \text{Phe-Gly-Pro-Ile-Leu-Pro-Pro-Thr-Asn-Val-Gly-} \\ \text{Ser-Asn-Thr-Tyr-NH}_2 \end{array}</math> </div>		
<b>TEST</b>		<b>SPECIFICATION</b>	<b>RESULT</b>
1	<b>Appearance</b>	White powder	Conform
2	<b>Solubility</b>	Soluble in water and 1% acetic acid	Conforms
3	<b>Identity by HPLC</b>	The retention is same with the reference substance	Conforms
4	<b>Specific Optical Rotation</b>	-90 °~-105 °(c=0.5, 1% HAc)	-100.35 °
5	<b>Amino Acid Composition</b>	±20%	conforms
6	<b>Peptide Purity (By HPLC)</b>	≥ 98.0% by area integration	99.65%
7	<b>Related Substance (By HPLC)</b>	Total Impurities(%) ≤ 2.0% Largest Single Impurity(%) ≤ 1.0%	0.35% 0.23%
8	<b>Acetate Content (By HPLC)</b>	≤ 12.0%	10.66%
9	<b>Water Content (Karl Fischer)</b>	≤ 8.0%	3.33%
10	<b>Bacterial Endotoxins</b>	≤ 50 IU/mg	Conforms
11	<b>Assay (By Anhydrous, Acetic Acid-free )</b>	95.0 ~ 105.0%	98.85%

Quality Control By Zhouzhongbing Date: 2008-09-10

Quality Assurance Department