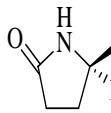




## Certification of Analysis

<i>Product Name</i>		<i>Triptorelin Acetate</i>	
<i>CAS No.</i>	149194-24-7	<i>Molecular Formula</i>	$C_{64}H_{82}N_{18}O_{13}$
<i>Molecular Weight</i>	1311.46	<i>Batch No.</i>	20100520
<i>Storage</i>	2~8 °C	<i>Expiry Date</i>	2 years
<i>Manufacturing Date</i>	05/20/2010	<i>Retest Date</i>	05/19/2012
<i>Sequence</i>	 His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-Gly-NH <sub>2</sub>		
<i>TEST</i>		<i>SPECIFICATION</i>	<i>RESULT</i>
1	<i>Appearance</i>	White powder	Conforms
2	<i>Solubility</i>	Soluble in water or 1% acetic acid at a concentration of $\geq 1\text{mg/ml}$ to give a clear, colorless solution	Conforms
3	<i>Amino Acid Composition</i>	$\pm 10\%$ of theoretical	Conforms
4	<i>Peptide Purity (By HPLC)</i>	$\geq 98.0\%$ by area integration	99.27%
5	<i>Related Substance (By HPLC)</i>	Total Impurities(%) $\leq 2.0\%$ Largest Single Impurity(%) $\leq 1.0\%$	0.73% 0.37%
6	<i>Acetate Content (By HPLC)</i>	$\leq 12.0\%$	8.41%
7	<i>Water Content (Karl Fischer)</i>	$\leq 5.0\%$	3.41%
8	<i>Specific Optical Rotation</i>	$-65.0 \sim -75.0^\circ [a]^{20}_D$ ( $c=0.5$ , 95%HAc)	-66.21°
9	<i>Peptide Content (N determination)</i>	$\geq 80.0\%$	87.33%
10	<i>Bacterial Endotoxins</i>	$\leq 5\text{EU/mg}$	Conforms
11	<i>Assay (By HPLC)</i>	95.0~105.0%	99.15%

Quality Control By Zhouzhongbing Date: 2010-05-21

Quality Assurance Department