



Chengdu KaiJie Biopharm Co., Ltd.

KAIJIE

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

TEL: 86-28-88208155 FAX: 86-28-88203632 WEB: www.kjepc.com

Certification of Analysis

Product Name		MGF Acetate	
Molecular Formula	C ₁₂₁ H ₂₀₀ N ₄₂ O ₃₉	Batch No.	20091010
Molecular Weight	2867.2	Manufacturing Date	10/10/2009
Storage	2~8°C	Retest Date	10/09/2011
Sequence	Tyr-Gln-Pro-Pro-Ser-Thr-Asn-Lys-Asn-Thr-Lys-Ser-Gln-Arg-Arg-Lys-Gly-Ser-Thr-Phe-Glu-Glu-Arg-Lys-NH ₂		
TEST		SPECIFICATION	RESULT
1	Appearance	White powder	White powder
2	Solubility	Soluble in water or 1% acetic acid at a concentration of \geq 1mg/ml to give a clear, colorless solution	Conforms
3	Specific Optical Rotation	-85~ -100°(c=1,1% HAc)	-92.8°
4	Peptide Purity (By HPLC)	\geq 95.0% by area integration	98.7%
5	Related Substance (By HPLC)	Total Impurities(%) \leq 5.0% Largest Single Impurity(%) \leq 2.0%	1.3% 1.3%
6	Acetate Content (By HPLC)	\leq 15.0%	1.0%
7	Water Content (Karl Fischer)	\leq 8.0%	3.6%
8	Bacterial Endotoxins	\leq 5 IU/mg	Conforms
9	Assay (By HPLC)	95.0~105.0%	98.5%

Quality Assurance By Zhouzhongbing Date: 2009-10-12

Quality Control Department