



Chengdu KaiJie Biopharm Co., Ltd.

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Certification of Analysis

Product Name		Matrixyl Acetate(Palmitoyl Pentapeptide)	
Molecular Formula	C ₃₉ H ₇₅ N ₇ O ₁₀	Batch No.	20100429
Molecular Weight	802.05	Manufacturing Date	04/29/2010
Storage	2~8 °C	Retest Date	04/28/2012
Sequence	PAL-Lys-Thr-Thr-Lys-Ser-OH		
TEST		SPECIFICATION	RESULT
1	Appearance	White powder	Conforms
2	Solubility	Soluble in water or 1% acetic acid	Conforms
3	Identity By MS	802.0±1	801.5
4	Amino Acid Composition	±10% of theoretical except for Serine	Conforms
5	Peptide Purity (By HPLC)	≥ 95.0% by area integration	98.85 %
6	Related Substance(By HPLC)	Total Impurities(%)≤ 5.0% Largest Single(%)≤ 2.0%	1.15% 0.62%
7	Acetate Content(By HPLC)	≤ 15.0%	11.61%
8	Water Content(Karl Fischer)	≤ 5.0%	2.92%
9	Assay(By Anhydrous, Acetic Acid-free)	95.0 ~ 105.0%	98.43%

Quality Control By Zhouzhongbing Date: 2010-05-07

Quality Assurance Department