



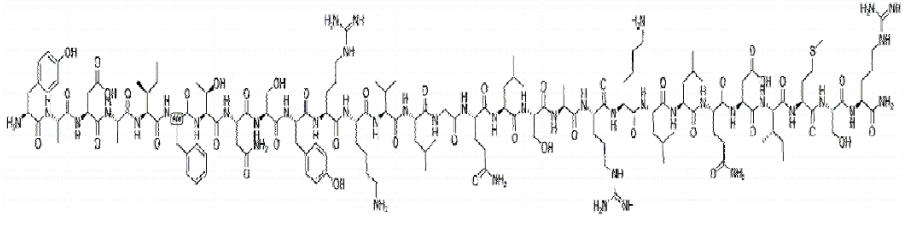
HANGZHOU DINGYAN CHEM CO.,LTD

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

CERTIFICATE OF ANALYSIS

NO: **DYC101606132**

Product name	Sermorelin
CAS Number	86168-78-7
Molecule Structure	
Molecule Formula	C ₁₄₉ H ₂₄₆ N ₄₄ O ₄₂ S
Batch number	20160203
Manuf date	2016-02-03
Testing date	2016-03-04

Analysis tests	Standard	Results
Appearance	White powder	Conform
Solubility	Soluble in water at a concentration of 2mg/ml to give a clear, colorless solution	Conform
Specific optical rotation	-70.0° to -90.0°(c = 0.5, 1%Hac)	-83.5°
Purity	≥98.0%	99.23%
Related substances (HPLC)	Total impurities (%) : ≤2.0% Any impurity (%) : ≤1.0%	0.77% 0.39%
Water	≤8.0%	4.8%
Amino Acid Composition	± 10% of theoretial	Conform
Bacterial Endotoxins :	≤50IU/mg	≤5IU/mg
Assay	97%-103%	98.8%
Identification	Conform	Conform
Hac content	<13.0%	11.3%
Conclusion	The test results is conformed to the specification and qualified	

Add: Xiasha 571,19TH Street E-COMMERCE 4A601-602,Jiangnan Area, Hangzhou, China



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Hangzhou Dingyan Chem Co., Ltd.
QUALITY CONTROL: Freya
Quality Control
Signature(s)

CHECK: 姚仙娟

INSPECTOR: 刘清风

Add: Xiasha 571,19TH Street E-COMMERCE 4A601-602, Jianggan Area, Hangzhou, China