

## Certification of Analysis

中文名称 INCI Name	三肽-1 铜 Copper Tripeptide-1		
分子式 MF.	C <sub>14</sub> H <sub>22</sub> N <sub>6</sub> O <sub>4</sub> .Cu	批号 Batch No.	YSC231201
分子量 MW.	401.91	批量 Batch Quantity	39.82Kg
CAS No.	89030-95-5	生产日期 MFG Date	12/01/2023
用途 Application	Cosmetic	复测日期 Retest Date	11/30/2025
序列 Sequence	Gly-His-Lys.Cu		
检验项目 TEST		检验指标 SPECIFICATION	结果 RESULT
1	外观 Appearance	Blue to purple powder or crystallized powder 蓝紫色粉末或结晶性粉末	Conforms
2	鉴别 Identity by HPLC	The retention is same with the reference substance	Conforms
	鉴别 Identity by MS	401.91±1	401.47
3	溶解性 Solubility	≥100mg/ml(H <sub>2</sub> O) 水溶	Conforms
4	纯度 Peptide purity (By HPLC)	≥98.0%	99.93%
5	水份 Water Content (Karl Fischer)	8.0%	6.25%
6	铜含量 Copper Content	8-16%	13.12%
7	pH (2mg/ml water solution)	5.5-7.5	6.08
8	GHK 含量 GHK Content	65-85%	69.86%
9	盐酸含量 Chloride Content	15.0%	8.81%
符合企业标准 Conclusion: the test result is confirmed to the specification and qualified			

储存条件 Storage : 密封避光保存于 2-8°C干燥处, 长期保存建议零下 15-20°C冷冻储存。 Cool and dry place at 2-8°C, protected from light, keep package airproofed when not in use. Please store -20°C to -15°C for long term storage.

备注 Remarks : 如遇质量问题, 请于收到产品日起 30 日内与我们联系。 In case of any quality issues, please contact us within 30 days after receipt of the product.