

## Certification of Analysis

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

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.