

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Copper Peptide		
<b>CAS</b>	89030-95-5		
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>22</sub> N <sub>6</sub> O <sub>4</sub> Cu	<b>Molecular Weight</b>	401.91
<b>Batch Number</b>	20241105	<b>Manufacture Date</b>	20241105
<b>Report Date</b>	20241105	<b>Expiry Date</b>	20261104

Items	Specifications	Results
Appearance	Blue crystalline powder	Complies
Identity by ESI-MS	MW:401.91	Complies
Purity (HPLC)	≥98.0%	99.92%
Peptide Content (By N)	≥80%	81.51%
Copper content	8.0-16%	11.89%
Water (K.F.)	≤8.0%	5.18%
Chloride Content (IC)	≤10.0%	Complies (7.05%)
PH (0.2%Water Soln.)	5.5-7.5	6.20
Solubility	≥100mg/ml(H <sub>2</sub> O)	Complies
Lead (mg/kg)	≤10	< 10
Arsenic (mg/kg)	≤2	< 2
Mercury (mg/kg)	≤1	< 1
Cadmium (mg/kg)	≤5	< 5
Total plate count (cfu/g)	≤1000	Complies
Yeast & mould (cfu/g)	≤100	Complies
Conclusion	Conforms to standard	

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

