CERTIFICATE OF ANALYSIS

Product Name	Copper Tripeptide-1	**Batch Number**	C20260805
Assay	99%	**Manufacturer Date**	20260805
CAS No.	89030-95-5	**Expiry Date**	20290804
Batch Quantity	1000kg	**Report Date**	20260812

ITEMS	SPECIFICATION	RESULTS	TEST METHOD
Parameter			
Purity	≥99.0%	99.9%	HPLC
Physical&Chemical Data			
Appearance	Blue crystalline granules or powder	Visual	Visual
Odor&Taste	Characteristic	Organoleptic	Organoleptic
Identification	Add sodium sulfide to the water solution, produce dark brown.	Conforms	Copper Ion Test
	The retention time of the major peaks of the sample solution corresponds to that of the standard solution.	Conforms	HPLC
Solubility（in the water）	≥100mg/ml	Conforms	In-house
pH(2mg/ml, water,25°C)	5.5-7.5	6.4	ChP 2020-0631
Loss on Drying	NMT5.0%	1.1%	KF
Acetic acid	NMT2.5%	0.08%	HPLC
Cu	10.0%~16.0%	14.2%	HPLC
Heavy Metals			
Heavy Metals	NMT10ppm	<10ppm	Atomic Absorption
Lead(Pb)	NMT3ppm	<0.03ppm	Atomic Absorption
Arsenic (As)	NMT2ppm	<0.1ppm	Atomic Absorption
Mercury(Hg)	NMT1ppm	<0.003ppm	Atomic Absorption
Cadmium(Cd)	NMT5ppm	<0.003ppm	Atomic Absorption
Microbiological			
Total Plate Count	NMT200cfu/g	<10cfu/g	CP2015
Total Yeast & Mold	NMT50cfu/g	<10cfu/g	CP2015
E.coli	Negative	Conforms	CP2015
Salmonella	Negative	Conforms	CP2015
Staphylococcus	Negative	Conforms	CP2015
General Status	Non-GMO, Allergen Free, Non-Irradiation		
Packaging &Storage	Packed in White opaque PP wide-mouth plastic bottle Can transport at room temperature. Store in a dry, dark place at 2°C-8°C for long term storage.		
Shelf Life	Three years		
Conclusion	Qualified		

Good Nutrition Biotechnology Co.,Ltd/E-mail: sales@goodnutrition-bio.com/W: www.goodnutrition-bio.com
Add: Room 1903, unit2, building1, No.16, Mingcheng, Zhangba east road, Yanta district, Xi’ an city, Shaanxi province