

CERTIFICATE OF ANALYSIS

Product Name	AHK -Cu		
INCI Name	Copper Tripeptide-3		
Sequence	Ala-His-Lys-CU		
CAS NO.	682809-81-0		
Molecular Formula	C ₁₅ H ₂₄ CuN ₆ O ₄	Molecular Weight	415.12
Batch Number	20260522	Manufacture Date	20260522
Report Date	20260522	Expiry Date	20280521

Item	Standard	Result
Appearance	Blue powder	Complies
Identity by ESI-MS	Theoretical MW:415.12	Complies
Purity (HPLC)	≥95.0%	98.30%
Water (K.F.)	≤5.0%	4.66%
Cu ⁺ Content	8.0-16.0%	12.13%
AHK Content	≥65.0%	70.13%
Chloride Content (IC)	≤10.0%	8.59%
pH (1% Water Soln.)	6.0-8.0	7.52
Solubility	≥100mg/ml(H ₂ 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: This product complies with In-house 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.

