
Certificate of Analysis

Product Name: Copper Tripeptide-1(GHK-Cu) Acetate (1:1)	
CAS No. : 89030-95-5	Batch No.: 20260207
MFG.Date: 2026-02-07	EXP. Date: 2028-02-06

Results of Inspection:

Item	Specification	Results
Appearance	Blue to bluish-purple crystalline powder	Complies
Identification	The retention time of the major peak of the sample solution corresponds to that of the standard solution.	Complies
Solubility	Easily soluble in water	Complies
Clarity of Solution	The 0.5% aqueous solution should be clear and transparent, there was no obvious flocculent.	Complies
PH (1mg/ml)	6.0-8.0	6.7
Moisture	≤ 8.0%	5.0%
Acetic Acid (HPLC)	≤ 15.0%	12.7%
Residual Solvents	Ethanol ≤ 5000ppm	127ppm
	Methyl tert-butyl ether ≤ 5000ppm	Not detected
	Tetrahydrofuran ≤ 720ppm	Not detected
	N, N-dimethylformamide ≤ 880ppm	Not detected

	Dichloromethane $\leq 600\text{ppm}$	Not detected
	Acetone $\leq 5000\text{ppm}$	Not detected
	Isopropyl ether $\leq 5000\text{ppm}$	Not detected
	Acetonitrile $\leq 410\text{ppm}$	Not detected
Yeasts & Molds	$\leq 100\text{cfu/g}$	Complies
Thermotolerant E.Coli	Negative/g	Complies
Staphylococcus Aureus	Negative/g	Complies
Pseudomonas Aeruginosa	Negative/g	Complies
Copper	10.0%~16.0%	13.8%
GHK	65.0%~85.0%	68.7%
Purity	$\geq 99.0\%$	99.8%
Conclusion	This product complies with the Enterprise standards.	
Storage	Stored in a cool and dry well-closed container. Keep away from direct sunlight.	
Examiner: 李青 Checker: 赵泽涛 Reviewer: 毕连海		