

Certificate of Analysis			
Product	GHK Cu	CAS No.	89030-95-5
Product No.	LJGHK-001	Batch No.	LJCJC2025050301
Date of Mfg	2025/05/03	Retest Date	2027/05/02
Test Method	In-house	Quantity	20kg
Storage Conditions	Protected from light, sealed, store at -20℃ ± 5℃		

Test	Acceptance Criteria	Results
Appearance	Light blue to blue crystalline granules or powder	Conforms
GHK content	60.0-80.0%	72.95%
Copper content	10.0-16.0%	12.1%
Chloride content	6.5-8.5%	8.5%
Purity	≥98.0%	99.60%
Water content	≤10.0%	6.7%
Trifluoroacetic acid	≤0.5%	Not detected
Heavy Metals	Heavy metals≤10ppm	Conforms
	Pb ≤ 2.0 ppm	Conforms
	As ≤ 2.0ppm	Conforms
	Hg ≤ 1.0ppm	Conforms
	Cd ≤ 1.0ppm	Conforms
Residual Solvents	Methanol≤0.3%	ND
	MeCN≤0.041%	ND
	DMC≤0.06%	ND
	MTBE≤0.5%	ND

Microbial Limit	Total aerobic bacteria $\leq 100\text{cfu/g}$	Conforms
	Mould & Yeast $\leq 100\text{cfu/g}$	Conforms
Bacterial Endotoxin	$\leq 10\text{EU/mg}$	Conforms
Solubility	Freely soluble in water	Conforms
Conclusion	☒ Meet the requirements ☐ Do not meet the requirements	
Remark	It is only supplied as chemical product. It is only for R&D use.	

Reporter/Date: 张洁 2025/05/11

Approver/Date: 刘辉 2025/05/11

