



Unilong Industry Co., Ltd

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CERTIFICATE OF ANALYSIS

INCI name	Copper Peptide		
MF.	$C_{14}H_{24}N_6O_4$	Batch No.	JL230401
MW.	340.12	Batch Quantity	10.367Kg
CAS No.	49557-75-7	Manufacturing Date	Apr/11/2023
Application	Cosmetic	Retest Date	Apr/10/2025
Sequence	H-Gly-His-Lys-OH		
TEST	SPECIFICATION	RESULT	
Appearance	White powder	Conforms	
Identity by HPLC	The retention is same with the reference substance	Conforms	
Identity by MS	340.12 ± 1	340.38	
Solubility	$\geq 100 \text{mg/ml}(\text{H}_2\text{O})$	Conforms	
Peptide purity (By HPLC)	$\geq 98.0\%$	99.47%	
Water Content (Karl Fischer)	$\leq 8.0\%$	4.11%	
Acetic acid Content	$\leq 15.0\%$	14.06%	
pH (1% water solution)	6.0-8.0	6.95	
Peptide Content	$\geq 80.0\%$	81.39%	
Conclusion: the test result is confirmed to the specification and qualified			

Analyst: Wen Qian

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