

Certificate of Analysis (COA)

Product Name: AHK-Cu

Lot No.: 3132020

Sequence:Ala-His-Lys

Modifications: C-terminal

Storage Conditions: 2-8°C,Protect from light Keep dry, desiccated environment

Report Date: 09 June 2026

Test Results

Test Item	Specification	Result
Appearance	Blue to blue-violet lyophilized powder	Conforms
Molecular Weight (MS)	389.9± 1 Da	390.8 Da
Purity (HPLC)	>98%	99.5%
Retention Time (HPLC)	+0.2 min of standard	Conforms
Copper Content	14.0-18.0%	15.2%
Free Peptide (AHK)	≤ 0.5%	0.14%
Related Substances (HPLC)	≤ 1.0% each / ≤ 2.0% total	0.36%
Solubility	Freely Soluble in Water	Conforms
Acetic Acid Content	≤ 5000 ppm	1020 ppm
TFA Content	≤ 50 ppm	9 ppm
DCM Content	≤ 50 ppm	N.D.
DMF Content	≤ 100 ppm	N.D.
Total Aerobic Count	≤100 CFU/g	<10 CFU/g
Yeast & Molds Count	≤10 CFU/g	<10 CFU/g
Endotoxins	≤0.5 EU/mg	<0.05EU/mg