

Certificate of Analysis

Product Name	AHK-Cu (1:1) Acetate	CAS No.	682809-81-0
Molecular Formula	C ₁₅ H ₂₄ N ₆ O ₄ Cu	Molecular Weight	415.93
Sequence	H-Ala-His-Lys-Cu		
Batch No.	260601	Report Date	2026-06-17
Mfg.Date	2026-06-11	Retest Date	2028-06-10
Quality Standard	Enterprise Standards		
Store Condition	Preserved in tight containers. Stored at a temperature of 2-8°C		

Test Items		Specifications	Results
Characters	Appearance	Bluish to bluish purple crystalline powder	Conforms
	Solubility	≥100mg/ml in water	Conforms
Identification	HPLC Identification	Consistent with the reference substance	Conforms
	Molecular Ion Mass	415.12±1.0	Conforms
Water Content (K.F.)		≤8.0%	4.1%
Purity (by HPLC)		≥99.0%	99.70%
Related Substances (by HPLC)		Total impurities ≤1.0% Maximum single impurity ≤0.5%	0.30% 0.18%
Peptide Content (GHK)		≥70.0%	70.3%
Copper Content (Cu)		10.0-16.0%	11.7%
Acetate Content		≤15.0%	13.8%
pH (1mg/ml)		5.0-7.0	6.6
Bacterial Endotoxins		≤5EU/mg	Conforms
Lead (Pb)		≤10ppm	Conforms
Arsenic (As)		≤2ppm	Conforms
Cadmium (Cd)		≤5ppm	Conforms
Mercury (Hg)		≤1ppm	Conforms

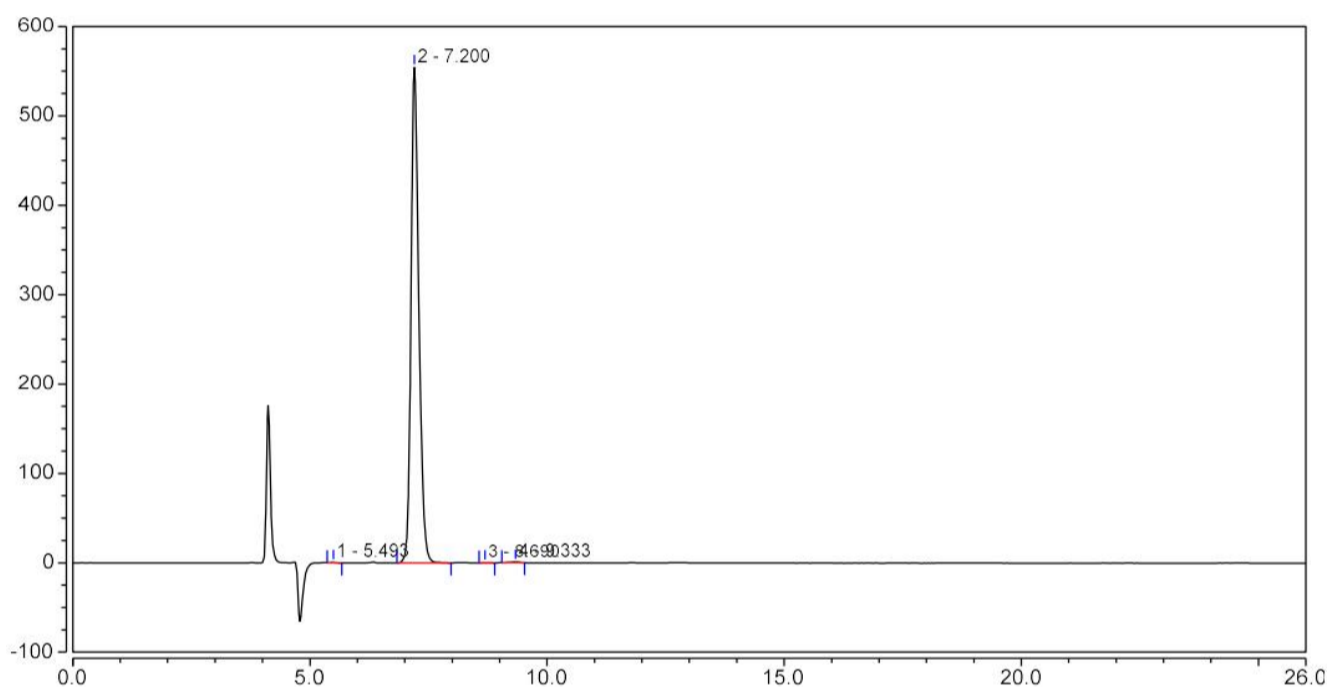
Remark: This product is used only for research.

Reporter :

Reviewer:

HPLC Analysis Report

Sample Name:	AHK-Cu (1:1) Acetate	Acquired By:	System
Sample Type:	CRO	Sample Set Name	AHK-Cu-260601
Vial:	B-A-2	Test Wavelength	210nm
Injection#:	2		
Injection Volume:	10 ul		
Date Acquired:	2026/07/02 18:42:27		
Date Processed:	2026/07/02 19:45:55		



Peak Table

Peak#	Ret. Time min	Peak Area mAU*min	Relative Peak Area %	Peak Height mAU	Relative Peak Height %
1	5.493	0.059	0.06	0.451	0.08
2	7.200	106.108	99.70	554.422	99.70
3	8.690	0.067	0.06	0.385	0.07
4	9.333	0.189	0.18	0.835	0.15
Total		106.424	100.00	556.092	100.00