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**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	GHK-Cu	
<b>Sequence</b>	H-Gly-His-Lys-OH (Cu <sup>2+</sup> )	
<b>Dissolution condition</b>	100%-H <sub>2</sub> O	
<b>CAS NO.</b>	89030-95-5	
<b>Batch</b>	GHKE124	
<b>Molecular Weight (MW)</b>	401.91±1.0	
<b>Storage</b>	-20°C	
<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>Purity by HPLC</b>	≥99.0%	99.72%
<b>Cu<sup>+</sup> Content</b>	8.0-16%	9.81%
<b>Moisture content</b>	<8.0%	4.7%
<b>Solubility</b>	≥100mg/ml(H <sub>2</sub> O)	Conforms
<b>Appearance</b>	Blue crystalline powder	Conforms
<b>Quantity</b>	100.0mg/vial	100.0mg/vial
<b>Certified by: QA</b>	Date	06/12/2024

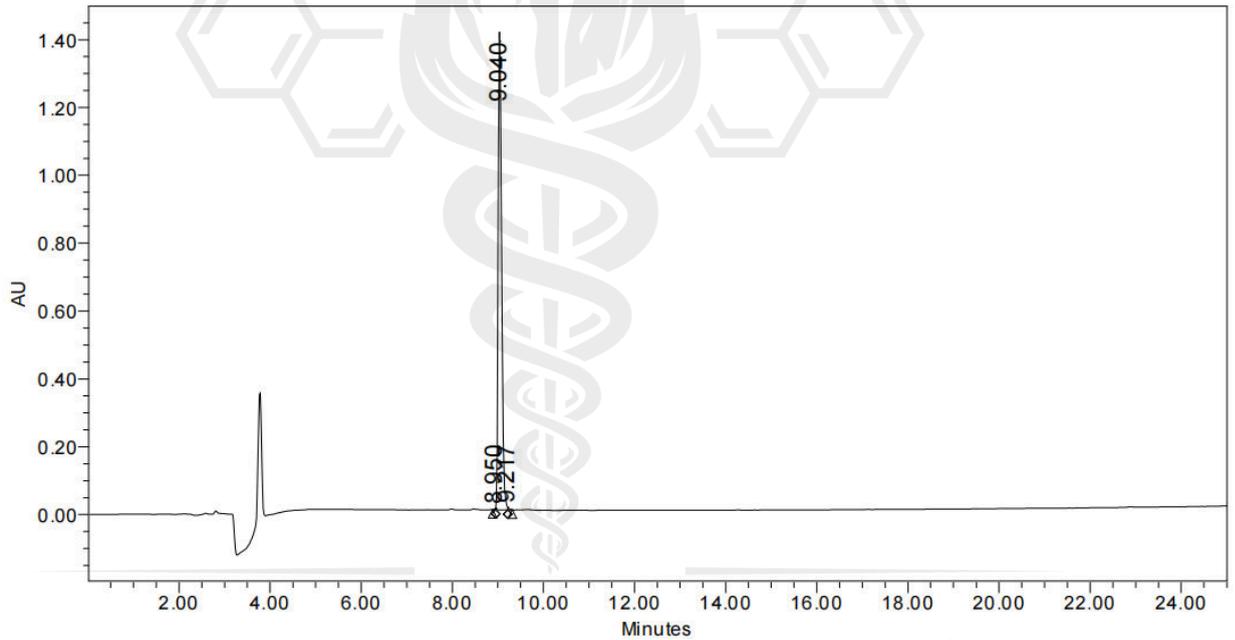
**Note: this product is intended for research use only; not for diagnostic or human use.**

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### Sample Information

Name : GHK-Cu  
Cas No : 89030-95-5  
Sequence : H-Gly-His-Lys-OH (Cu<sup>2+</sup>)  
Pump A : 0.1% Trifluoroacetic in 100% Water  
Pump B : 0.1% Trifluoroacetic in 100% Acetonitrile  
Total Flow : 0.5ml/min  
Wavelength : 220nm  
Analytical column type : SHIMADZU Inertsil ODS-SP (4.6\*250mm\*5um)  
Inj. Volume : 10ul

Time	Module	Action	Value
0.00	Pumps	B.Conc	0.1
25.00	Pumps	B.Conc	10
25.01	Pumps	B.Conc	100



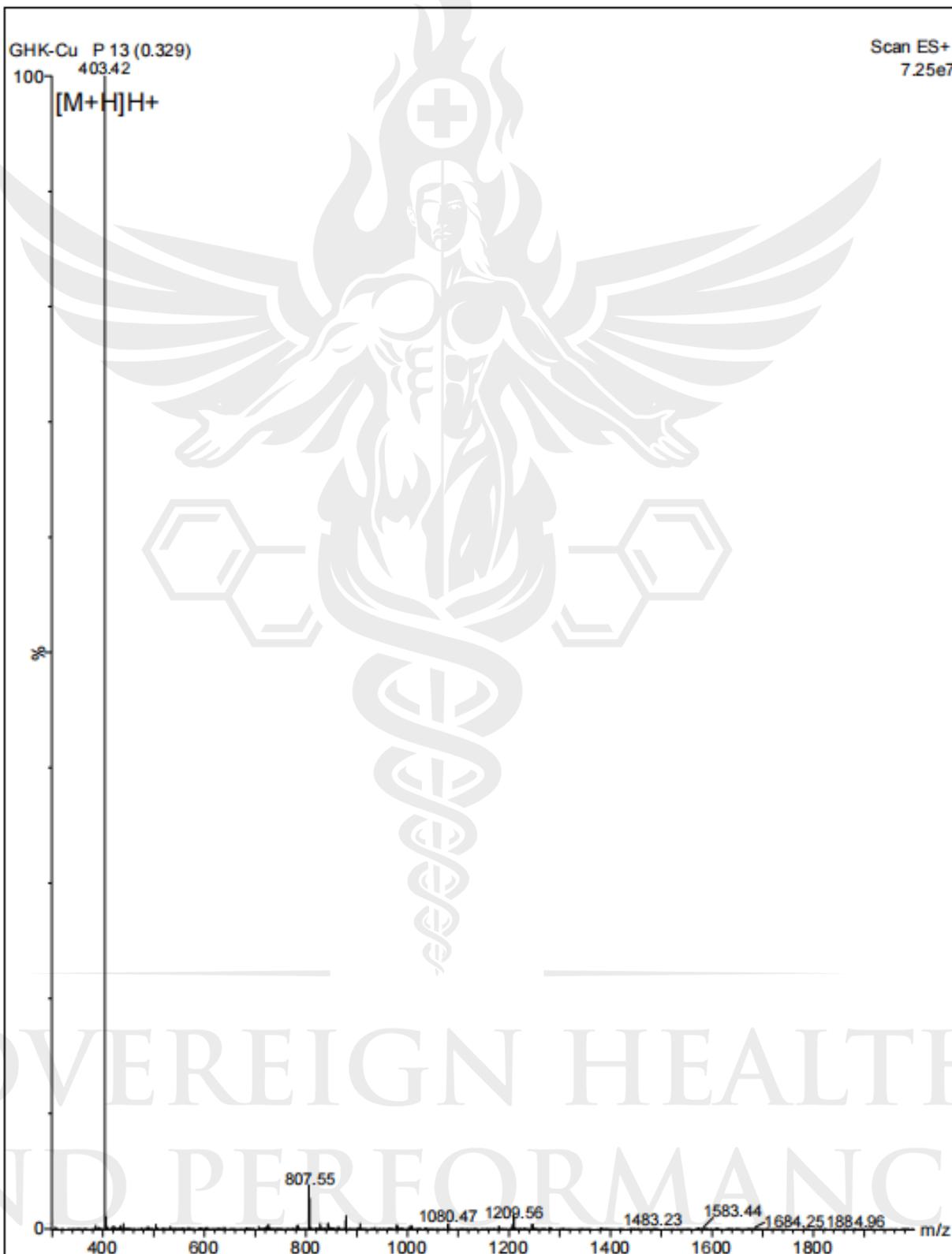
	RT	Area	% Area	Height
1	8.950	4775	0.07	4202
2	9.040	7249318	99.72	1407215
3	9.217	15600	0.21	7401

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GHK-Cu P 13 (0.329)  
403.42

Scan ES+  
7.25e7

[M+H]<sup>+</sup>



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