

CERTIFICATE OF ANALYSIS

Product Name	GHK-Cu (TFA removed), Cat.#: 319855
Lot No.	MTFA33433-251009
Sequence	GHK-Cu (Acetate Salt)
Dissolution condition	100%H ₂ O
Length	3AA
Modification	Acetate Salt
Molecular Weight (MW)	401.91
Storage	-20°C

Test Items	Specifications	Results
MW by MS	340.37±1	Conforms
Purity by HPLC	>98%	99.307%
GHK Content	65.0%-85.0%	71.8%
Moisture content	<8%	6.6%
Acetic acid content	<15%	9.4%
Appearance	Blue lyophilized powder	Conforms
Quantity	100g	10.0g*10

NovoPro Bioscience Inc. (hereafter NovoPro) warrants material of said quality at the time of sale. It is the sole responsibility of the customers to determine the adequacy of all materials for any intended or specific purpose or use. NovoPro's sole obligation is to replace the material up to the extent of the purchase price. This warranty applies only to products in original packaging and does not apply to a product which has been tampered with or altered in any way in or which has been misused or damaged by accident or negligence. All claims must be received writing (by fax or email) within 30 days from date when product arrive at the destination city and failure to do so shall constitute a waiver by customers for any and all such claims.

Certified by:



Quality Assurance Department

Oct/16/2025

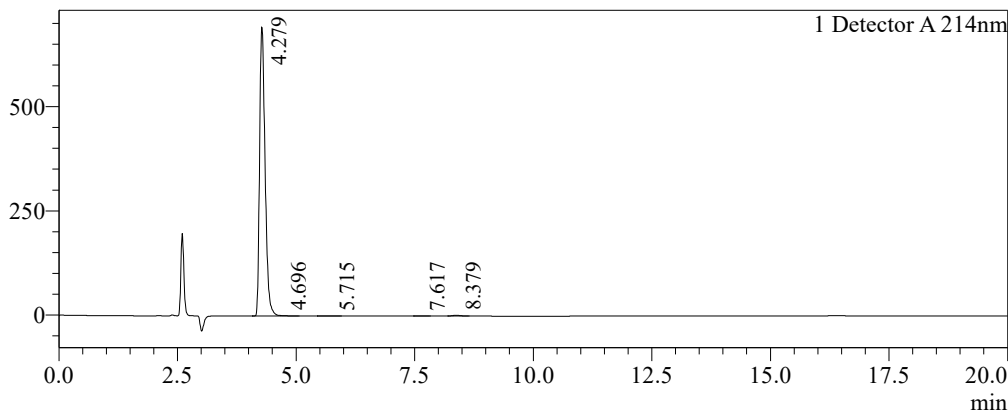


Sample Information

Order ID	:MTFA33433-251009		
Name	:GHK-Cu (TFA removed)		
Sequence	:GHK-Cu (Acetate salt)		
Lot. No	:MTFA33433-251009		
Pump A	:0.1%Trifluoroacetic in 100% water		
Pump B	:0.1%Trifluoroacetic in 100% acetonitrile		
Total Flow	:1ml/min		
Wavelength	:214nm		
Analytical column type	:Kromasil 100-5-C18 (4.6*250mm*5 µm)		
Dissolution method	:100%H ₂ O		
Inj. Volume	: 5ul		
Time	Module	Action	Value
0.01	Pumps	B.Conc	0.1
20.00	Pumps	B.Conc	0.1
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	0.1
50.00	Controller	Stop	

Chromatogram

mV

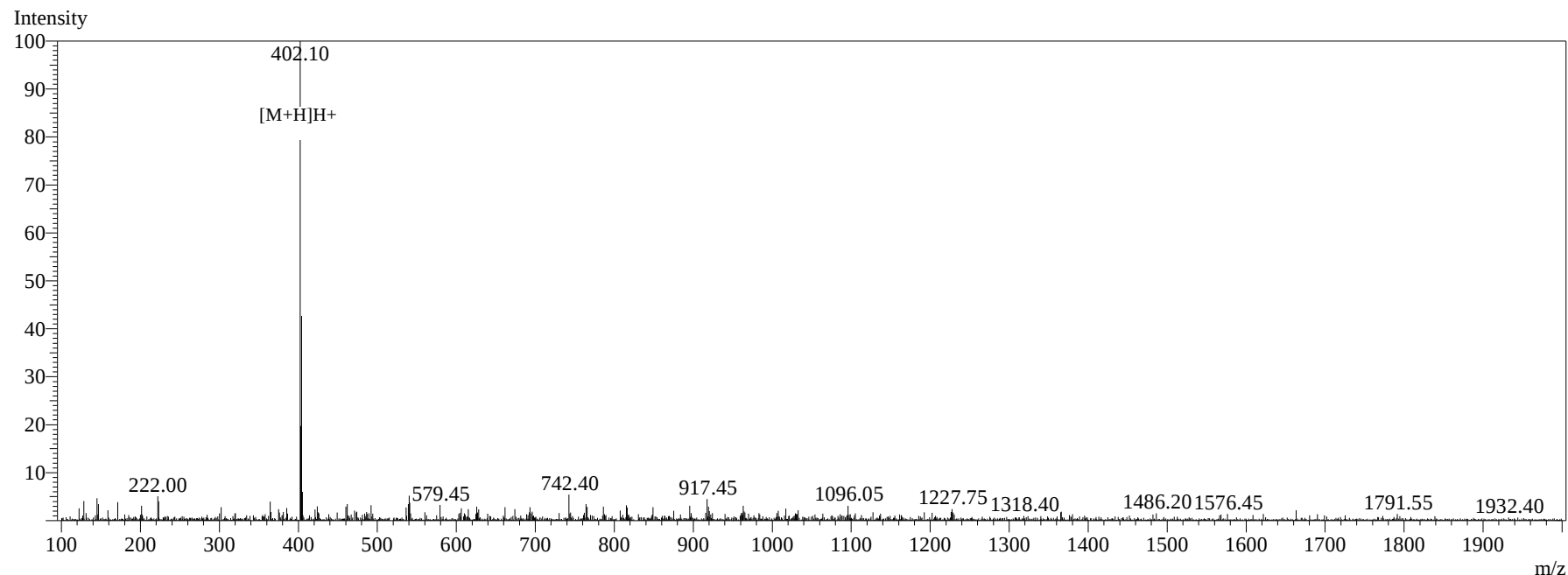


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	4.279	5602788	692797	99.307
2	4.696	8962	1171	0.159
3	5.715	4817	331	0.085
4	7.617	3486	336	0.062
5	8.379	21860	1852	0.387
Total		5641912	696487	100.000

MS Spectrum



Sample Information

Dissolution method	:15%ACN+85%H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/10/17 13:17:24	Nebulizing Gas Flow	:1.5L0/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250°C	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50%H ₂ O/50%MEOH
Order ID	:MTFA33433-251009				
Name	:GHK-Cu (TFA removed)				
Sequence	:GHK-Cu (Acetate salt)				
Lot.No	:MTFA33433-251009				
Theoretical	:400.91				
Observed	:401.10				