
CERTIFICATE OF ANALYSIS

Product Name	MOTS-c	
Sequence	H-Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg-OH	
Dissolution condition	10%ACN+90%H2O	
CAS NO.	1627580-64-6	
Batch	MOTE124	
Molecular Weight (MW)	2174.34±1.0	
Storage	-20°C	
Test Items	Specifications	Results
Purity by HPLC	≥99.0%	99.70%
Endotoxin	< 50EU/mg	Conforms
Moisture content	≤8.0%	3.2%
Acetic acid content	≤10.0%	5.7%
Appearance	White to off-white lyophilized powder	Conforms
Quantity	10.0mg/vial	10.0mg/vial
Certified by: QA	Date	05/19/2024

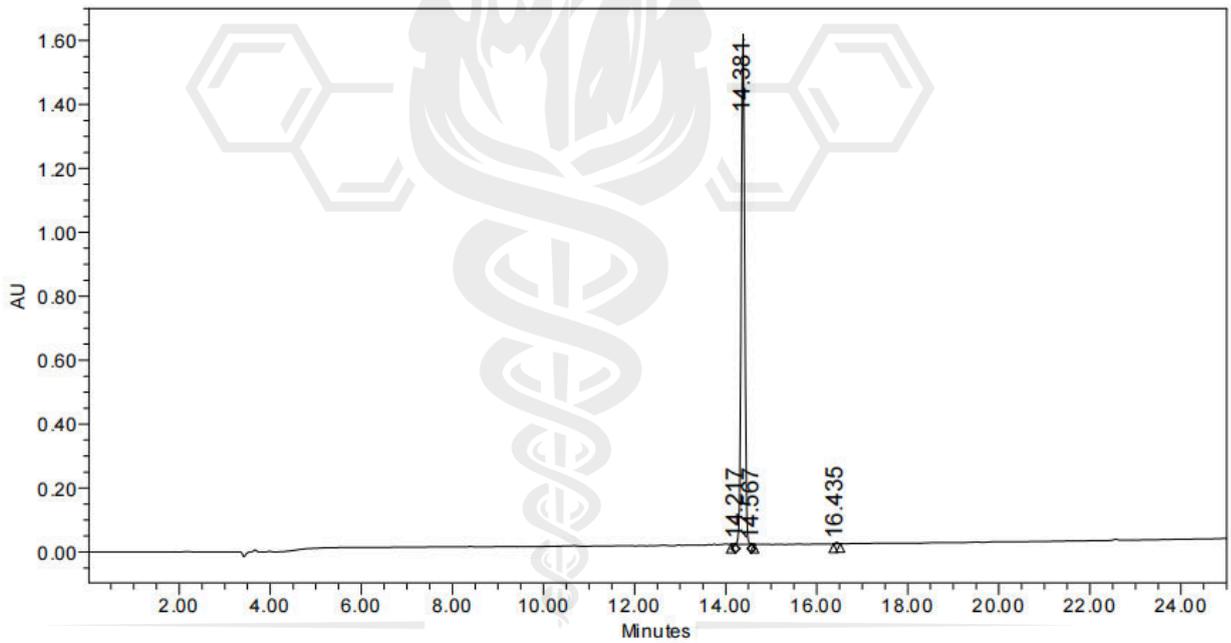
Note: this product is intended for research use only; not for diagnostic or human use.

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Sample Information

Name : MOTS-c
 Sequence : H- Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg-OH
 CAS NO. : 1627580-64-6
 Pump A : 0.1% Trifluoroacetic in 100% Water
 Pump B : 0.1% Trifluoroacetic in 100% Acetonitrile
 Total Flow : 1ml/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	5
25.00	Pumps	B.Conc	65
25.01	Pumps	B.Conc	100

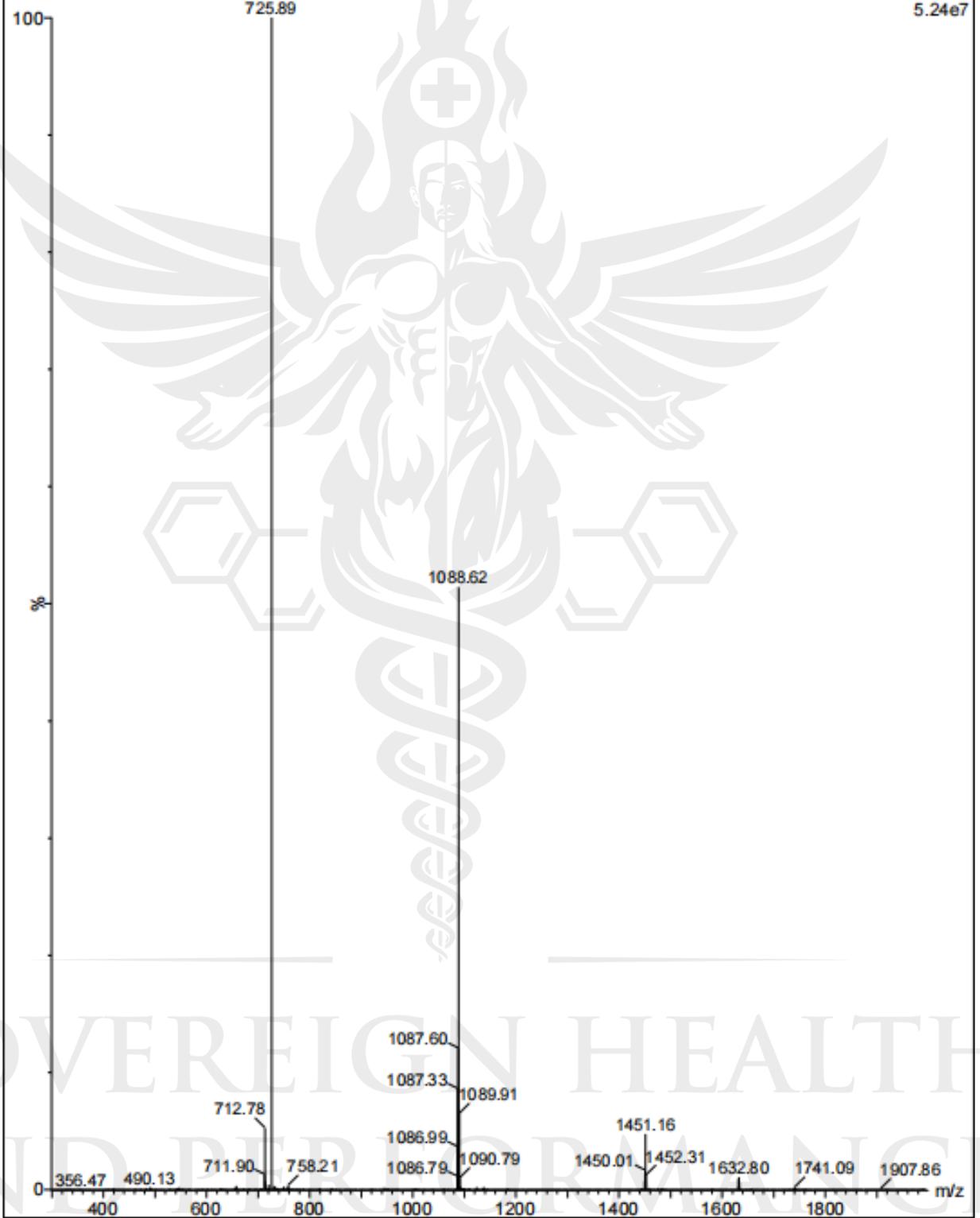


	RT	Area	% Area	Height
1	14.217	7557	0.09	2549
2	14.381	8466739	99.70	1578049
3	14.567	3161	0.04	1346
4	16.435	14380	0.17	3528

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MOTS-C 20 (0.370)

Scan ES+
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