MZ Biolabs
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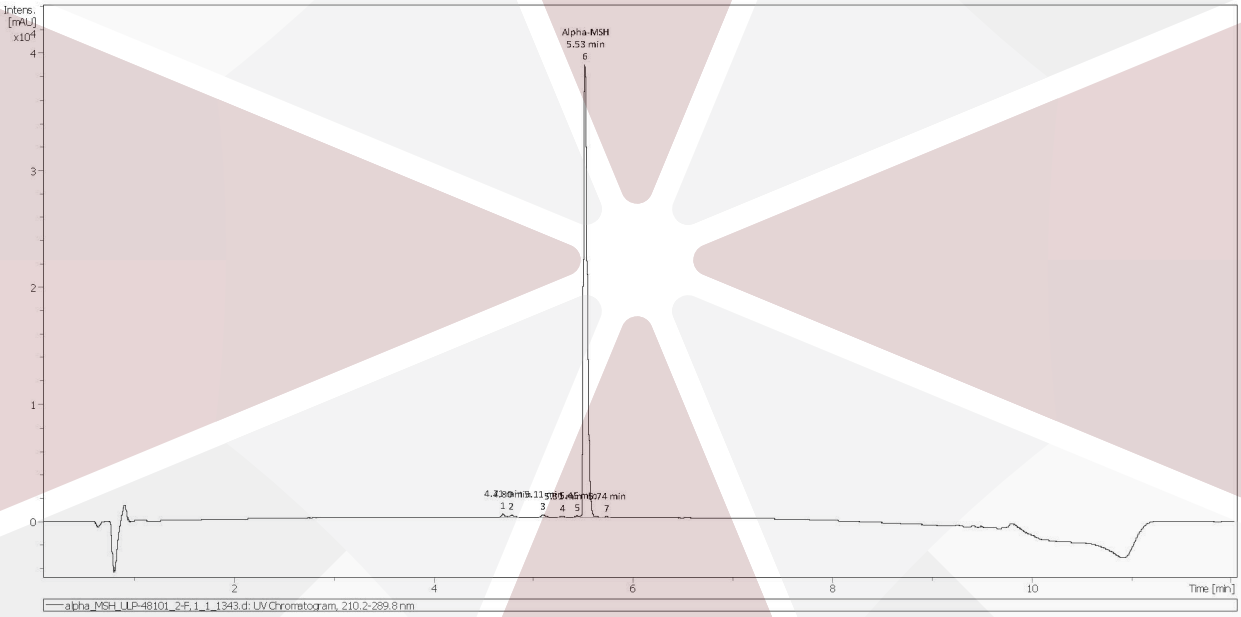
Certificate of Analysis

alpha MSH

Intermedine, Melanotropin alpha, alpha-melanocyte stimulating hormone

Compound	: **alpha MSH**	**Client :**	**UMBRELLA.us**
Lot number	: **ULP-48101**		**3280 E Hemisphere Loop**
Analysis date	: **2024-03-21**		**Tucson, Arizona 85706**
Purity %	: **98.18%**		
Method	: **HPLC-UV-MS**		

PubChem CID: 16133793
https://pubchem.ncbi.nlm.nih.gov/compound/16133793



PEAK LIST — Number of detected peaks: 7

	Time (min)	Area	%Area	
1	4.71	5.23E+02	0.51	
2	4.80	4.08E+02	0.39	
3	5.11	5.16E+02	0.50	
4	5.31	1.35E+02	0.13	
5	5.45	2.05E+02	0.20	
6	**5.53**	**1.01E+05**	**98.18**	**alpha MSH**
7	5.74	9.08E+01	0.09	

Purity determined using HPLC-UV
Peak identity confirmed by mass spectrum evaluation
Expected mass : 1663.79 g
Measured mass : 1663.79 g
Molecular weight confirmed

Note: Injectable peptides may contain salts and sugars to aid in solubility and act as pH buffers. These are not normally detected using UV and are not considered impurities.

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
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2024-03-22