MZ Biolabs
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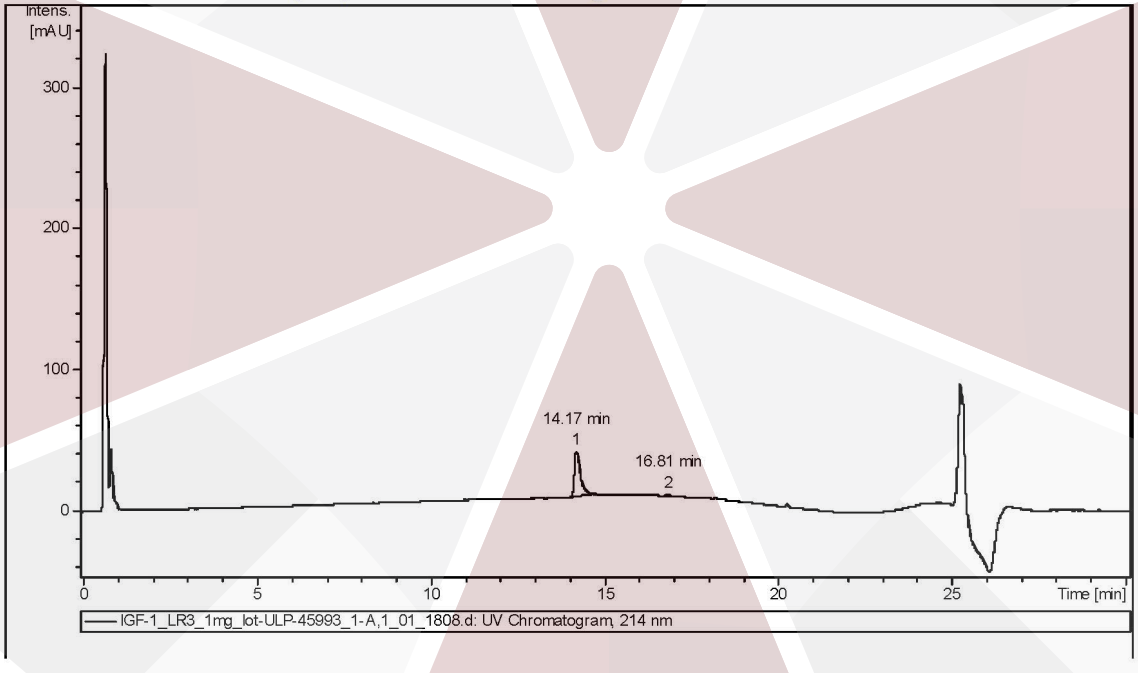
Certificate of Analysis

IGF-1 LR3 1 mg

Insulin-like growth factor fragment

Compound	: **IGF-1 LR3**	**Client :**	**UMBRELLA.us**
Lot number	: **ULP-45993**		**3280 E Hemisphere Loop**
Analysis date	: **2023-01-20**		**Tucson, Arizona 85706**
Purity %	: **99.0%**		
Method	: **Mass Spectrometry & UV**		

PubChem SID: 381123731
https://pubchem.ncbi.nlm.nih.gov/substance/381123731



PEAK LIST — Number of detected peaks: 2

Time (min)	Area	%Area	
14.17	**3.79E+02**	**99.0**	**IGF-1 LR3**
16.81	3.78E+00	1.0	

Peak identity confirmed by mass spectrum evaluation
Purity confirmed using UV detection
Expected mass : 9111.4 g
Measured mass : 9111.2 g
Molecular weight confirmed

Note: Injectable peptides 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
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2023-01-20