

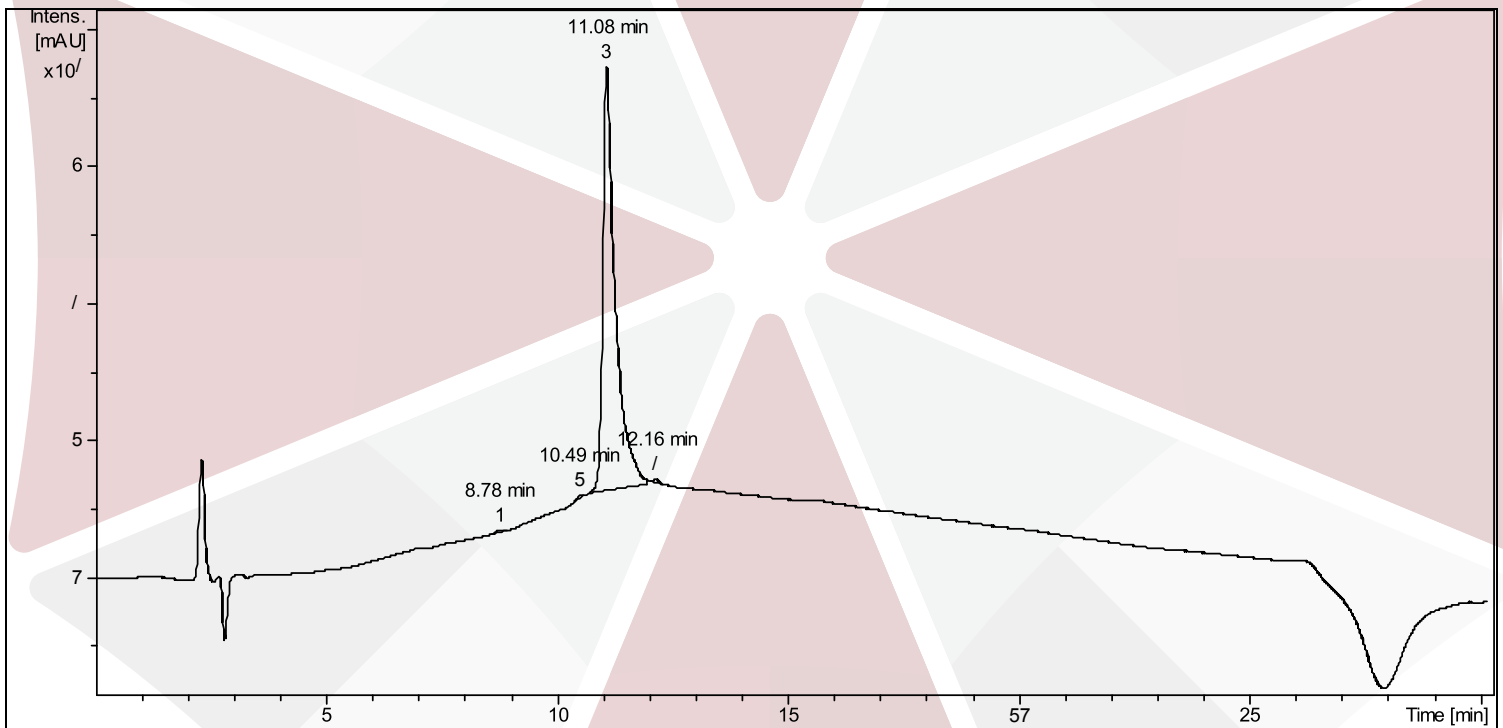
# Certificate of Analysis

## IGF-1 DES

Insulin-like growth factor fragment

**Compound** : IGF-1 DES  
**Lot number** : UL-23000  
**Analysis date** : 2022-04-29  
**Purity %** : 99.2%  
**Method** : Mass Spectrometry and UV

**Client** : UMBRELLA.us  
 3280 E Hemisphere Loop  
 Tucson, Arizona 85706



IGF-1\_DES\_2022-04-25\_MS2\_1-A,2\_01\_621.d: UV Chromatogram, 205-290 nm

PEAK LIST	Number of detected peaks: 4		
Time (min)	Area	%Area	
8.78	2.92E+03	0.3	
10.49	2.78E+03	0.3	
<b>11.08</b>	<b>1.15E+06</b>	<b>99.2</b>	<b>IGF-1 DES</b>
12.16	3.16E+03	0.3	

Analysis Performed by  
 Ken Pendarvis, ChE  
 Analytical Chemist  
 MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)

Peak purity confirmed using UV detection  
 Peak identity confirmed by mass spectrum evaluation  
 Expected mass : 7365.36 g  
 Measured mass : 7365.48 g  
 Molecular weight confirmed



2022-05-02