

# Certificate of Analysis

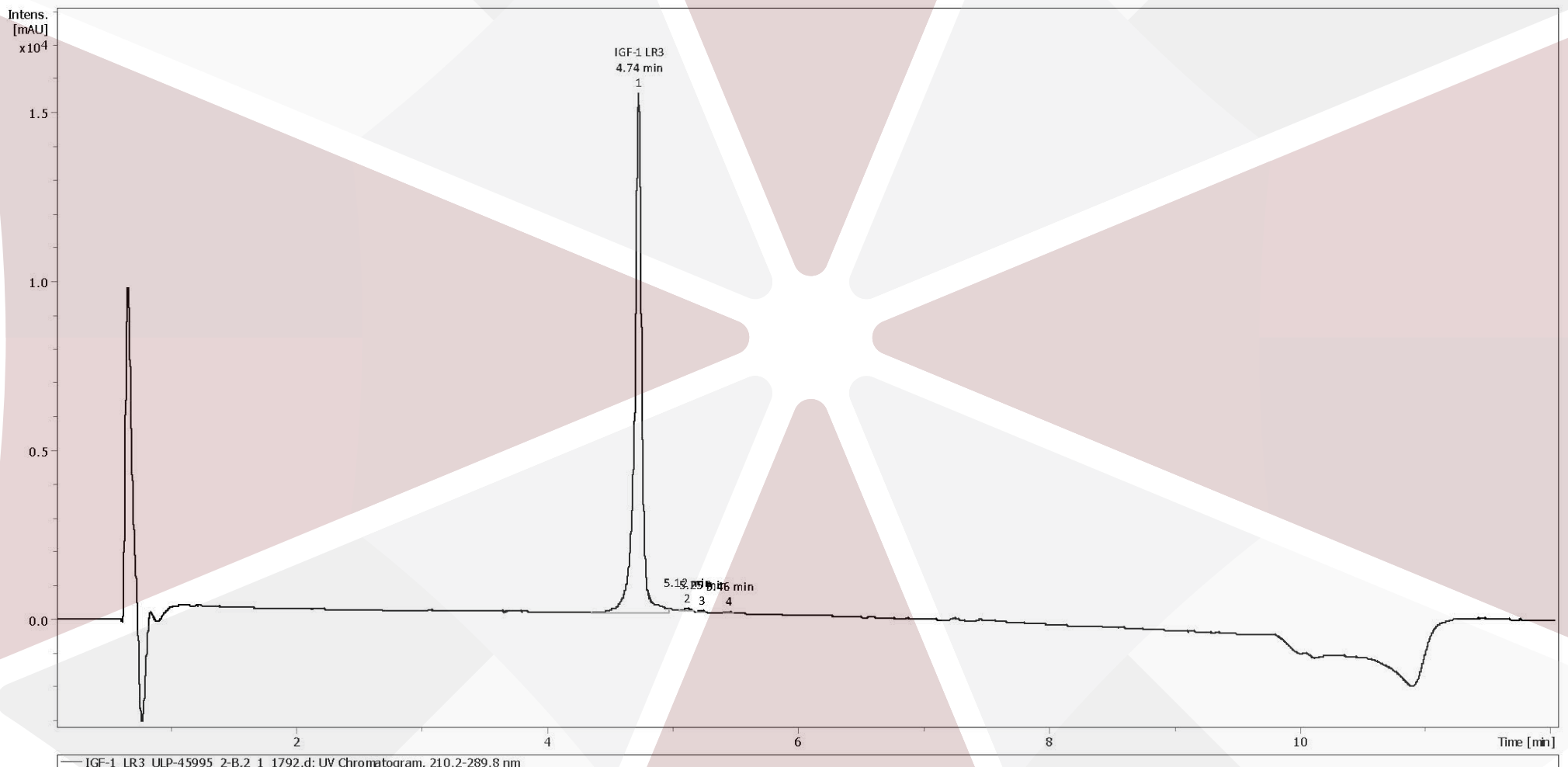
## IGF-1 LR3

Long arginine 3 Insulin-like growth factor

**Compound** : IGF-1 LR3  
**Lot number** : ULP-45995  
**Analysis date** : 2024-04-05  
**Purity %** : 99.23%  
**Method** : HPLC-UV-MS

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

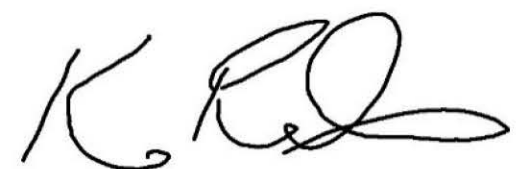
CAS 143045-27-6



PEAK LIST		Number of detected peaks: 4		
	Time (min)	Area	%Area	
1	4.74	6.32E+04	99.23	IGF-1 LR3
2	5.12	2.72E+02	0.43	
3	5.25	9.24E+01	0.15	
4	5.46	1.25E+02	0.20	

Purity determined using HPLC-UV  
 Peak identity confirmed by mass spectrum evaluation  
 Expected mass : 9111.4 g  
 Measured mass : 9111.3 g  
**Molecular weight confirmed**

Analysis Performed by  
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 Analytical Chemist  
 MZ Biolabs  
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2024-04-05

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.