MZ Biolabs
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PROOF OF AUTHENTICITY

Certificate of Analysis

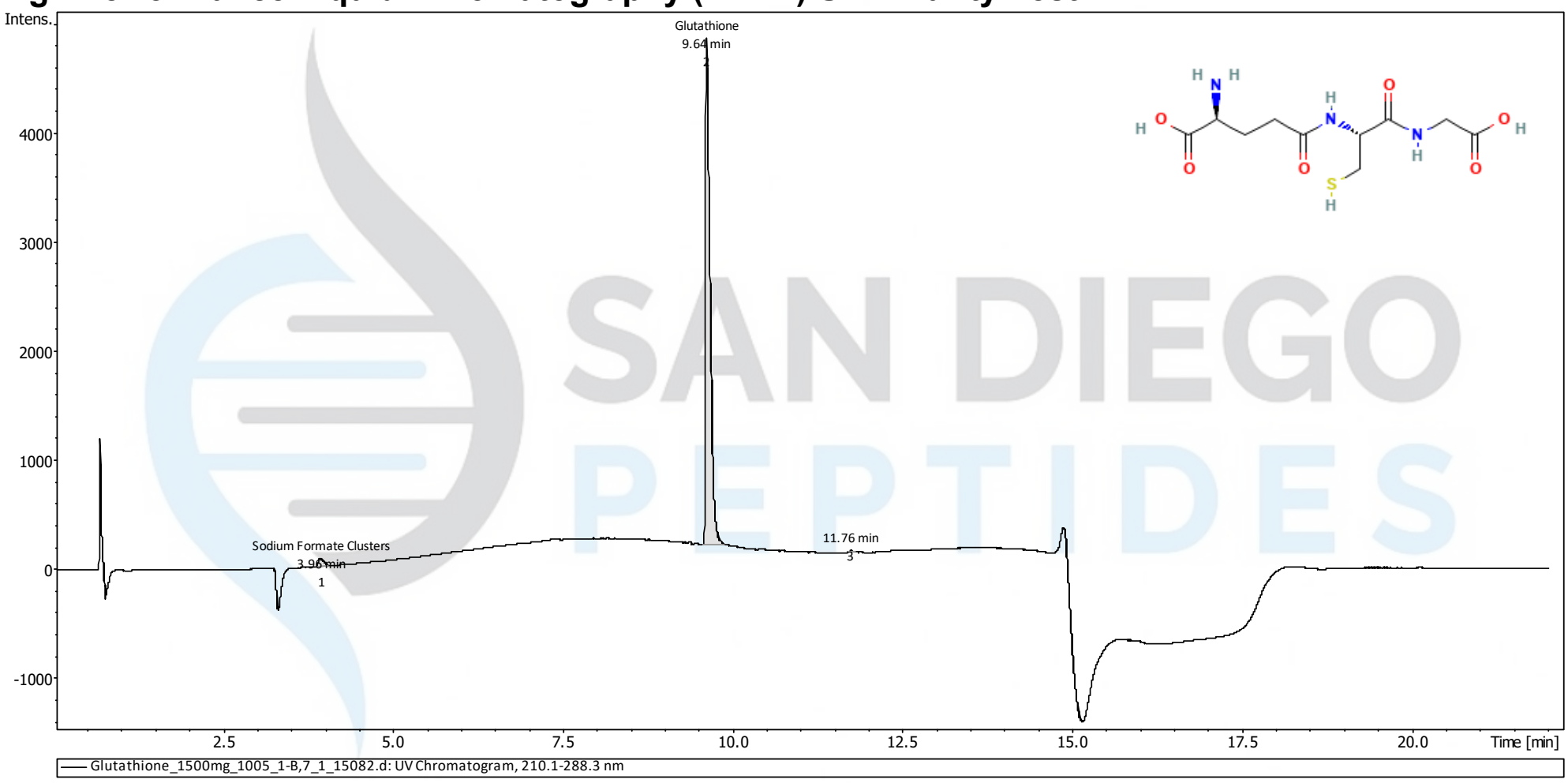
Glutathione

(2S)-2-amino-5-[[(2R)-1-(carboxymethylamino)-1-oxo-3-sulfanylpropan-2-yl]amino]-5-oxopentanoic acid

Compound	: **Glutathione**	**Client :**	**San Diego Peptides**
Lot number	: **1005**		**www.sandiegopeptides.com**
Analysis date	: **2026-03-30**		
Purity %	: **99.85%**		
Method	: **HPLC-UV-MS**		

PubChem CID: 124886
https://pubchem.ncbi.nlm.nih.gov/compound/124886

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST — Number of detected peaks: 3

	Time (min)	Area	%Area	
1	**3.96**	**3.73E+02**	**1.69**	**Sodium Formate Clusters**
2	**9.64**	**2.17E+04**	**98.16**	**Glutathione**
3	11.76	3.43E+01	0.16	
		Overall Purity	**99.85**	

Sodium Formate clusters form when sodium from the sample interacts **with formic acid in the the HPLC solvent. This is normal and indicates** the Glutathione was the sodium salt form.

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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2026-04-03

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Mass Spectrometry (MS) – Identity Test

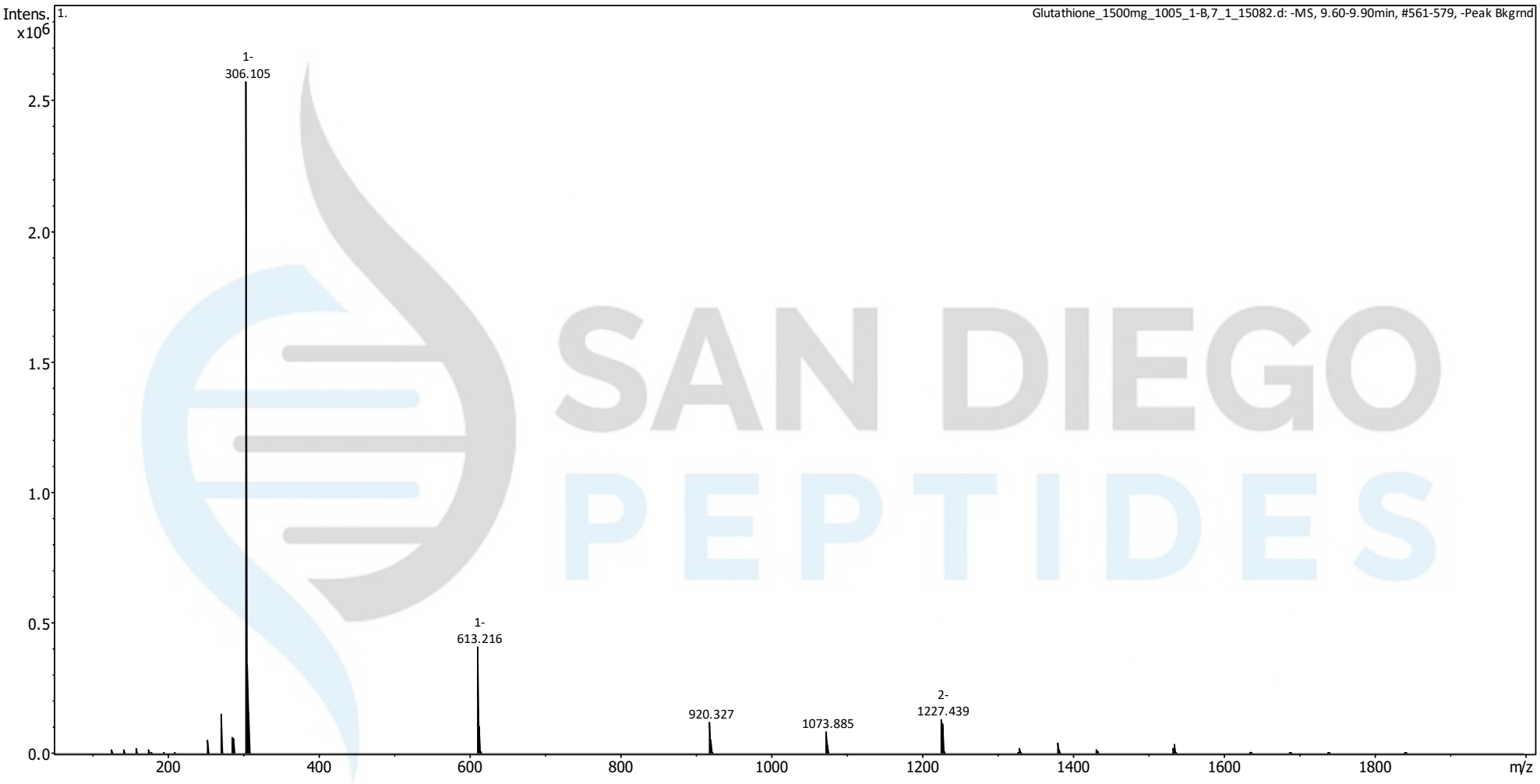
Identity confirmed using HPLC-MS
Molecular weight calculated using monoisotopic m/z values from mass spectrum

Expected monoisotopic mass :	307.08	Da
Measured monoisotopic mass :	307.11	Da

Molecular weight confirmed

Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides. The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.

Recorded MS spectrum



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