



Certificate of Analysis

Glutathione 200 mg/ml

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

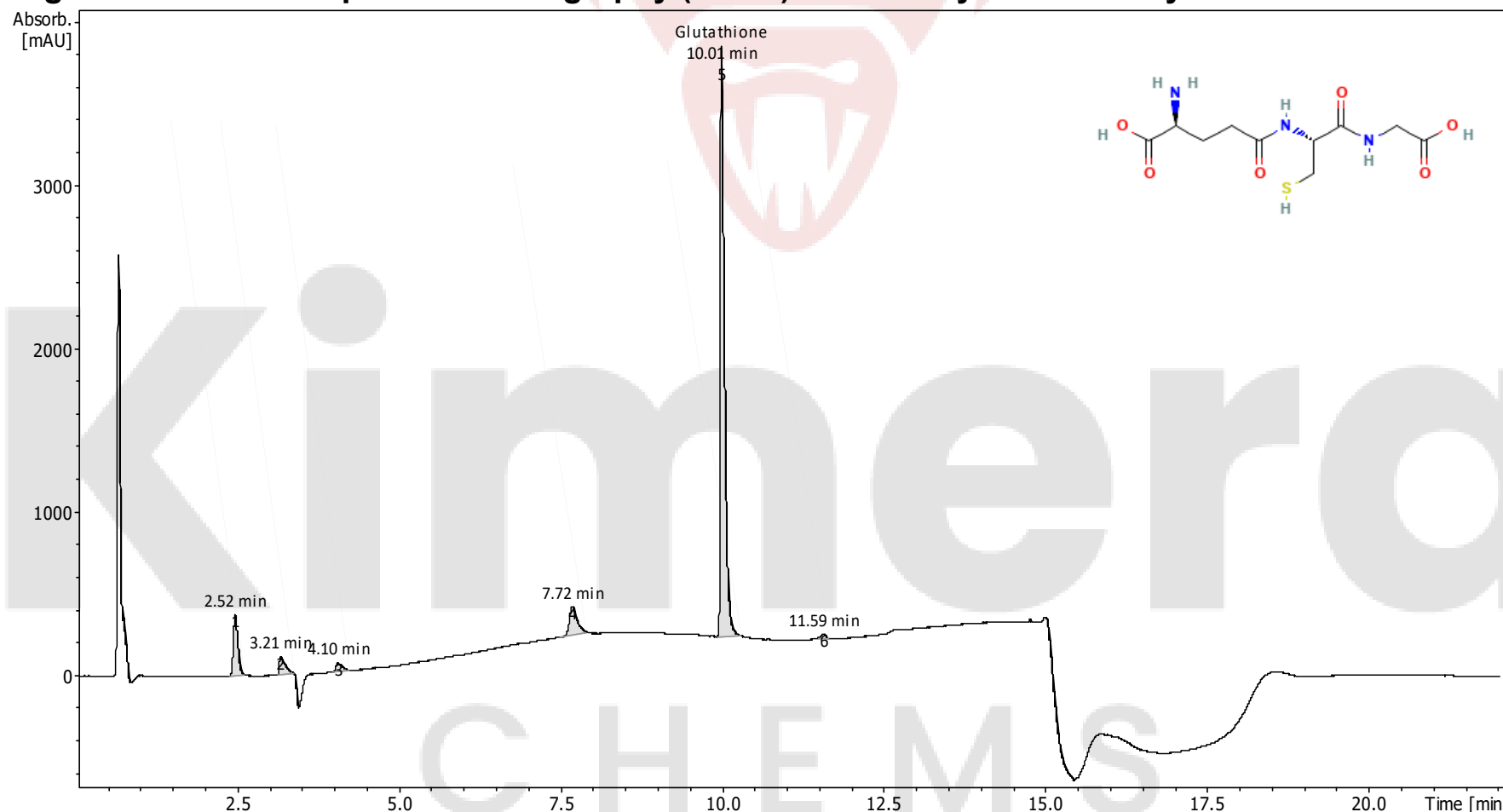
Compound : Glutathione
Lot number : A-GLT-05
Analysis date : 2026-06-23
Method : HPLC-UV-MS
Measured Concentration : 199.28 mg/ml

Client : Kimera Chems
Kimerachems.co

PubChem CID: 124886

<https://pubchem.ncbi.nlm.nih.gov/compound/124886>

High Performance Liquid Chromatography (HPLC) UV – Purity and Quantity Test



Active Ingredients detected:

Peak	Time (min)	
1	2.52	Ascorbic acid
5	10.01	Glutathione

Quantification by HPLC-MS

Replicates	mg/ml
Glutathione_A-GLT-05_r1	199.59
Glutathione_A-GLT-05_r2	198.96
Average mg/ml	199.28

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
contact@mzbiolabs.com



2026-06-25

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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

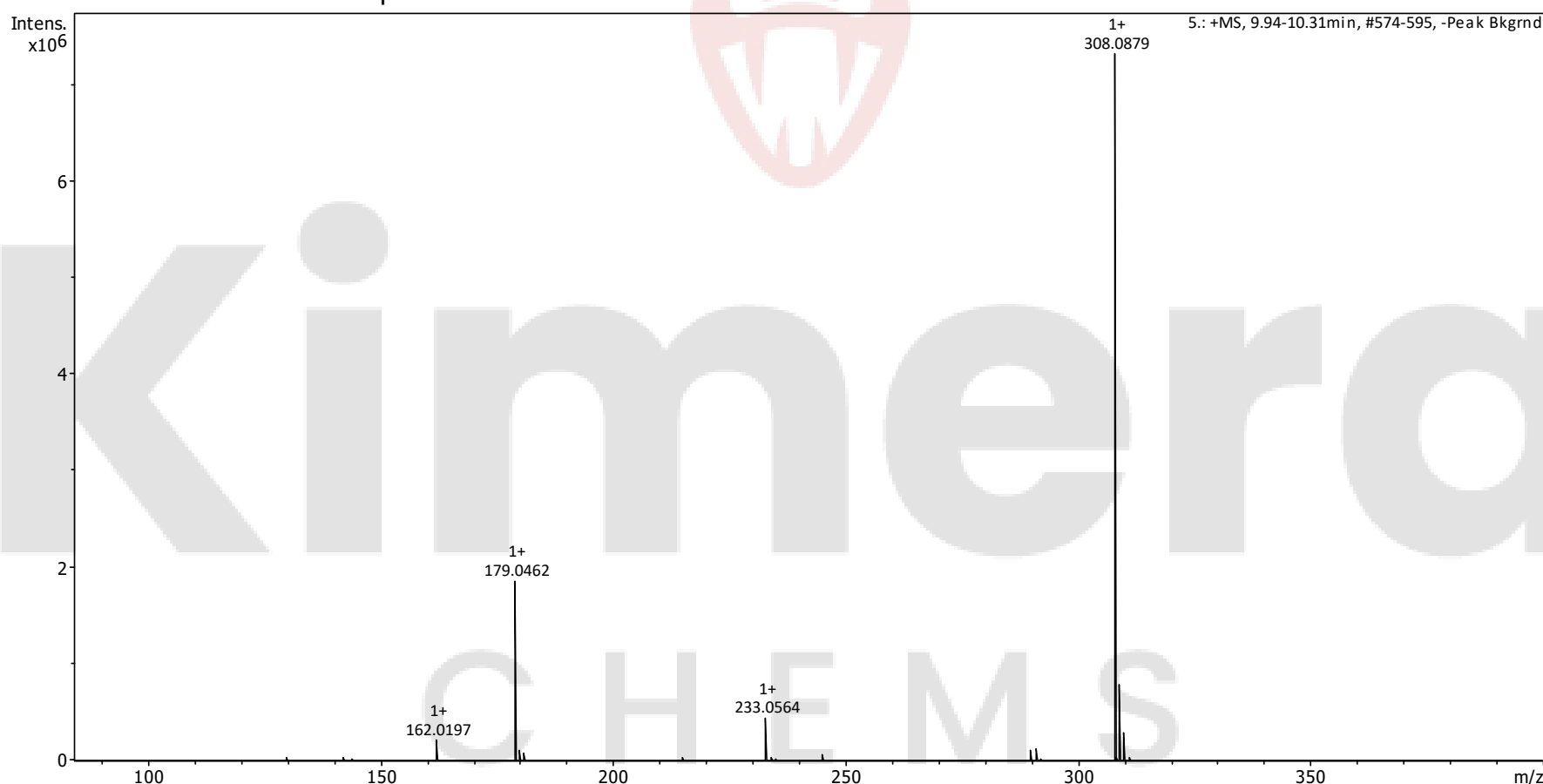
Measured monoisotopic mass : 307.09 Da

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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