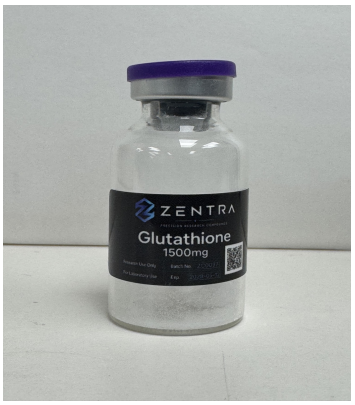
Analytical Testing Laboratory
7271 Engle Rd Unit 201A, Middleburg Heights, OH 44130
sonic-laboratories.com
Verify at sonic-laboratories.com/coa-lookup **Code: J3J5H7TF**

CERTIFICATE OF ANALYSIS

COA #: **SD20260820_004_GLU1500**

SAMPLE INFORMATION

Client	Zentra brands limited	**Accession #**	SD20260820_004
Compound	Glutathione	**Date Received**	08/20/2026
Molecular Formula	C10H17N3O6S	**Date Reported**	08/22/2026
Appearance	White lyophilized powder	**Labeled Quantity**	1500mg
Sample Form	Lyophilized Vial	**Lot / Batch #**	ZC0037
Storage	Room Temp	**CAS Number**	70-18-8
Cap Color	Purple		



All Chemical Analysis Performed by LC-MS/MS

ANALYTICAL RESULTS

Test / Analysis	Method	Specification	Result	Status
Identity (Mass Confirmation)	LC-MS/MS	Matches reference mass	Glutathione	**Pass**
Purity	LC-MS/MS	≥ 95.0%	99.657%	**Pass**
Net Peptide Content	LC-MS/MS	Report value	1555.26 mg	**Pass**
Observed Molecular Mass	LC-MS	Within ± 1.0 Da	308 [M+H]+	**Pass**
Theoretical Molecular Mass	Reference	—	307.32 Da	**Pass**
Related Substances / Impurities	LC-MS/MS	Report value	Not Detected	**Pass**
Residual Solvents	LC-MS/MS	Report value	Not Detected	**Pass**

John Humes, MS. **John Humes, MS.**
Analyzed by · Laboratory Analyst · 08/22/2026

Chetan Soni, PhD. **Chetan Soni, PhD.**
Approved by · Laboratory Director · 08/22/2026

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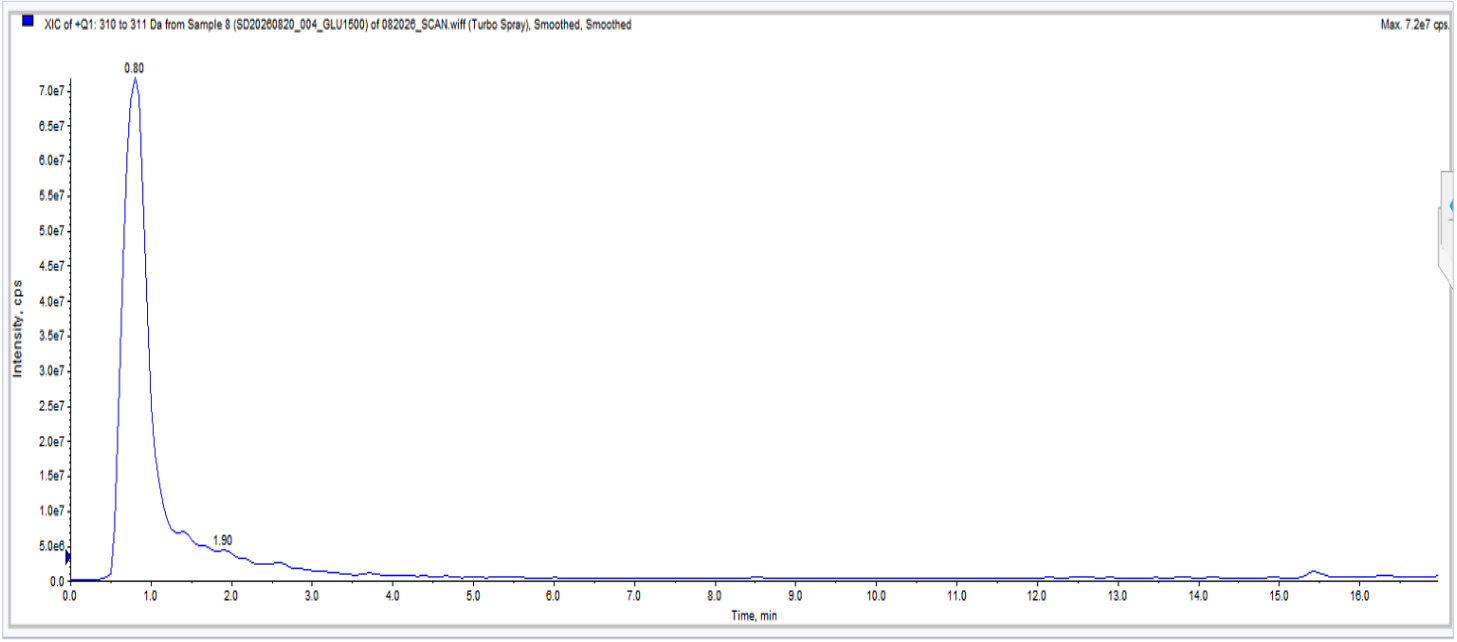
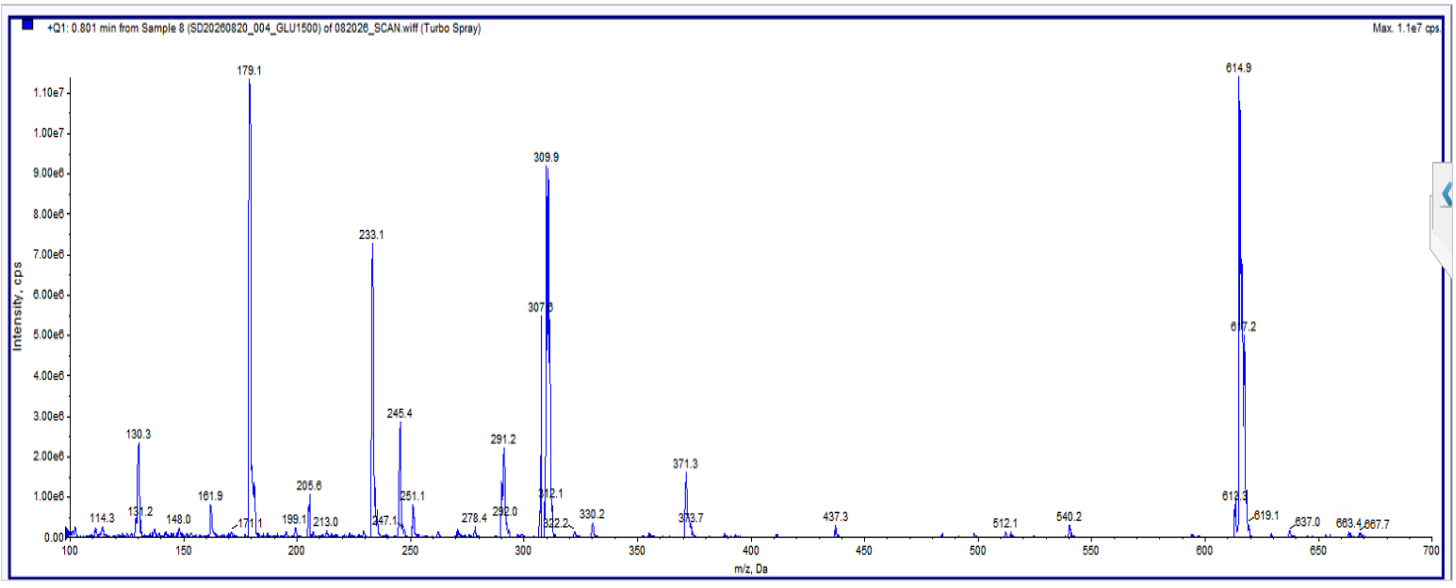
ANALYTICAL DATA

COA #: **SD20260820_004_GLU1500**

CHROMATOGRAM



MASS SPECTRUM (LC-MS)



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ANALYTICAL INTERPRETATION

Chromatogram

Retention Time Match

Mass Spectrum (LC-MS)

Glutathione — Identity (Q1 MS)

The sample was analyzed by LC MS in positive mode Q1 full scan at 0.75 min. The mass spectrum shows a dominant ion at approximately m/z 307 - 311, consistent with the [M+H] ion of reduced glutathione, along with related adduct and cluster ions in the expected m/z range. The observed mass spectral pattern and retention time match those of a certified glutathione reference standard analyzed under the same conditions. These results support the identity of glutathione peptide.

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