

Glutathione — Certificates of Analysis

Every batch we have tested for this product, newest first.

Match the strength on your vial to the rows below and turn to that page.

PAGE	STRENGTH	BATCH / LOT
2–3	22mg	8/13/2026 · 1500mg · Lot IWR-081026GTT
4–8	22mg, 492mg, 500mg, 600mg	8/13/2026 · Lot IWR-2607-L



Summit BioAnalytics | Nassau, The Bahamas | lab@summitbioanalytics.com |
summitbioanalytics.com

TESTED FOR

Iron Within Research

SAMPLE

Glutathione — 1500 mg

PASS

BATCH #

IWR-081026GTT

PURITY

99.32%

MASS

1601.22 mg

IDENTITY

Confirmed

COA #:

SBA-26-0084

Method:

Full QC Panel

Lot Number:

IWR-081026GTT

Analysis Date:

2026-08-13

Labeled Content:

1500 mg

Date Received:

2026-08-10

Appearance:

White lyophilized powder, intact seal

Vial Cap:

Black #010101



SCAN TO VERIFY



Identity



Purity



Endotoxins



Fentanyl Free

Test	Specification	Result
Identity	Glutathione	Confirmed
Purity (HPLC)	>= 98.0%	99.32%
Content (per vial)	Report only	1601.22 mg/vial
Fentanyl Screen (LC-MS/MS)	Not detected	Not detected
Endotoxins (LAL)	Report Result	0.03 EU/mL
Sterility Screen (rapid PCR)	No growth	No growth
Heavy Metals (ICP-MS)	ICH Q3D limits	All analytes within limits

Qualitative and quantitative chemical analysis by RP-HPLC with UV detection; identity confirmed by LC-MS. Fentanyl screening by targeted LC-MS/MS. Sterility by rapid nucleic-acid amplification — a screening method, not compendial sterility per USP <71>. Full methodology available on request.

Kasey Malganus

Kasey Malganus

Lab Director

2026-08-13

COA #:

SBA-26-0084

Access Code:

TC7JL6L8

Analyst:

A. Grinder

Verify:

summitbioanalytics.com/verify

Issued:

2026-08-13

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This certificate relates only to the item tested, as received. Research use only — not for human or veterinary use. A not-detected screening result describes this sample only and is not a statement about any other unit or lot.

Lot Number: **IWR-2768697-P**
 Client Name: **Iron Within Research**
 Identity: **www.ironwithinresearch.com**

Received Date: **06/29/2026**
 Analysis Conducted: **06/24/2026**
 Searchable via: **horizonanalytical.com**

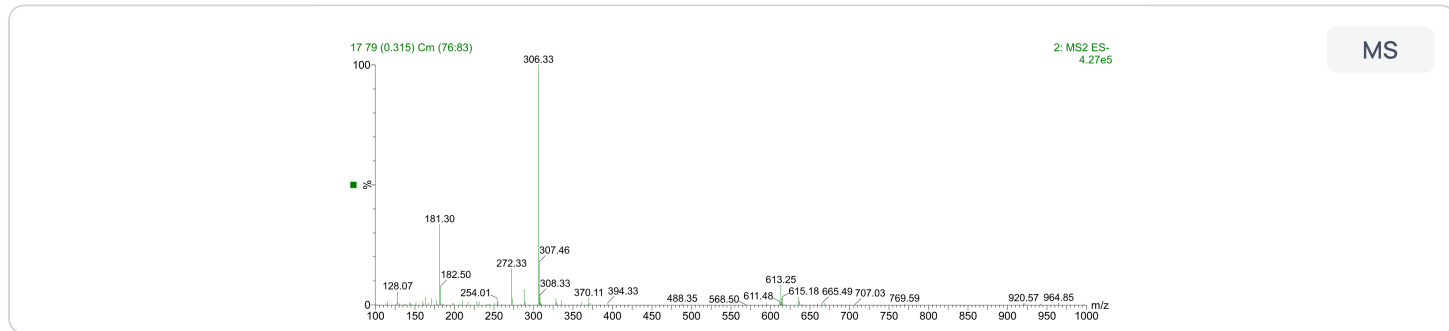
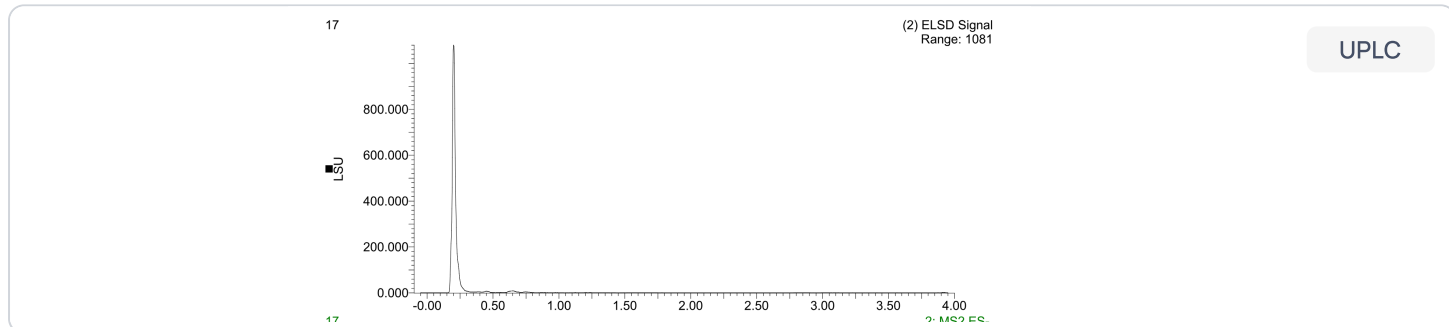
Compound:	L-Glutathione
Lot:	IWR-2768697-P
Appearance:	White Lyophilized Powder

CAS:	170-18-8
Formula:	C ₁₀ H ₁₇ N ₃ O ₆ S
Mol Weight:	~307.32 g/mol

Pubchem CID: 124886

Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

	Specification	Result	Scan to Validate:
Compound Test:	L-Glutathione	L-Glutathione	
Quantity:	500mg	492mg	
Purity:	>98%	99.43%	



Aleksey Yevtodiyyenko PhD
Research and Formulation Chemist

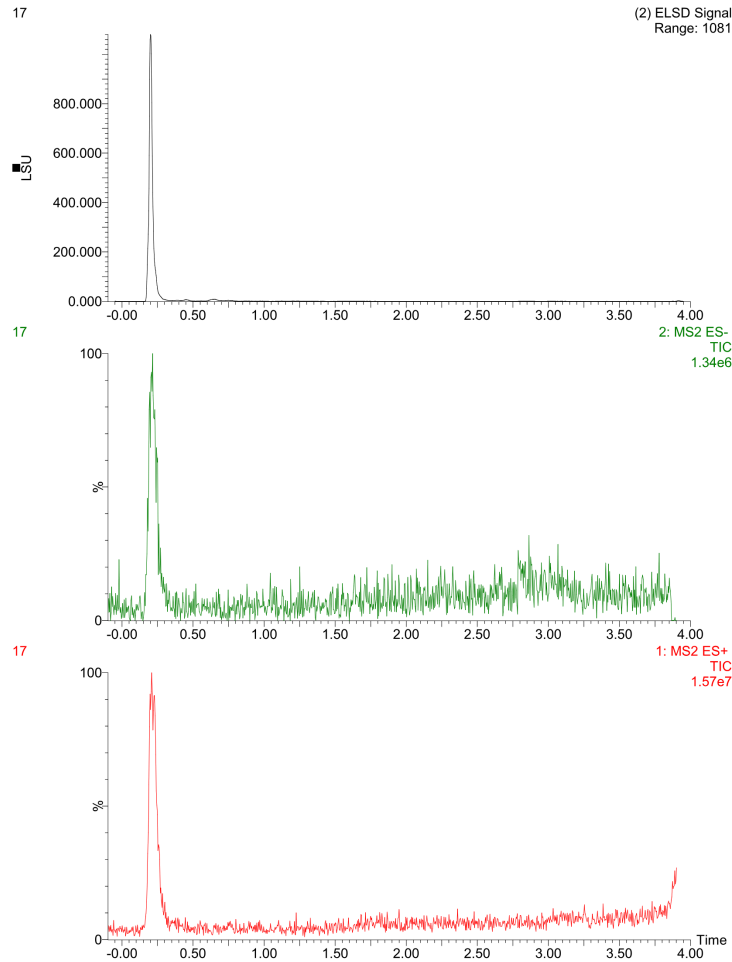


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

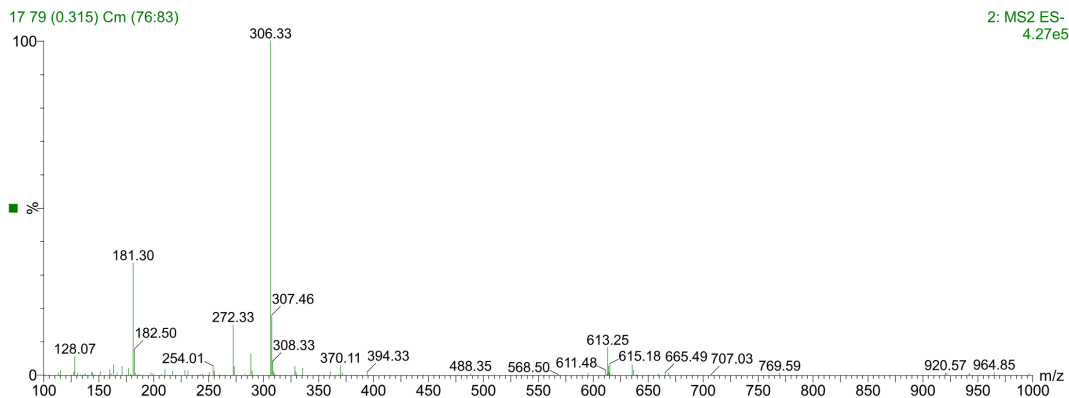
Lot Number: IWR-2768697-P
 Client Name: Iron Within Research
 Identity: www.ironwithinresearch.com

Received Date: 06/29/2026
 Analysis Conducted: 06/24/2026
 Searchable via: horizonanalytical.com

L-Glutathione (500mg) • Pubchem CID: 124886
 Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)



Lot Number: [IWR-2768697-E](#)
Client Name: [Iron Within Research](#)
Identity: www.ironwithinresearch.com

Received Date: [06/29/2026](#)
Analysis Conducted: [06/24/2026](#)
Searchable via: horizonanalytical.com

Compound:	L-Glutathione
Lot:	IWR-2768697-E
Appearance:	-

CAS:	170-18-8
Formula:	C ₁₀ H ₁₇ N ₃ O ₆ S
Mol Weight:	~307.32 g/mol

Pubchem CID: 124886

Endotoxin Test

	Specification	Result	Scan to Validate:
Compound Test:	L-Glutathione	-	
Endotoxin:	-	< 0.05 EU/mL	

Aleksey Yevtodiyenko PhD
Research and Formulation Chemist



This endotoxin analysis was performed under standard laboratory conditions using validated testing methodologies to ensure accurate and reliable results. The analysis is intended for informational and research purposes only.

Contact at: contact@horizonanalytical.comProudly Owned and Operated in the USA 



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TESTED FOR

Iron Within Research

SAMPLE

L Glutathione — 600 mg

PASS

BATCH #

IWR-2607-Lgluta

PURITY

99.24%

MASS

689.22 mg

IDENTITY

Confirmed

COA #:

SBA-26-0042

Method:

Full QC Panel

Lot Number:

IWR-2607-Lgluta

Analysis Date:

2026-08-02

Labeled Content:

600 mg

Date Received:

2026-07-29

Appearance:

White lyophilized powder, intact seal



SCAN TO VERIFY



Identity



Purity



Endotoxins



Fentanyl Free



VIAL CAP

Purple

#760A7D

CLOSURE AS
RECEIVED

Test	Specification	Result
Identity	L Glutathione	Confirmed
Purity (HPLC)	>= 98.0%	99.24%
Content (gross)	Report only	689.22 mg
Fentanyl Screen (LC-MS/MS)	Not detected	Not detected
Endotoxins (LAL)	Report Result	0.07 EU/mL

Test	Specification	Result
Sterility Screen (rapid PCR)	No growth	No growth
Heavy Metals (ICP-MS)	ICH Q3D limits	All analytes within limits

Qualitative and quantitative chemical analysis by RP-HPLC with UV detection; identity confirmed by LC-MS. Fentanyl screening by targeted LC-MS/MS. Sterility by rapid nucleic-acid amplification — a screening method, not compendial sterility per USP <71>. Full methodology available on request.

Kasey Malganus

Kasey Malganus
Lab Director
2026-08-02

COA #: SBA-26-0042
Access Code: YPG44N62
Analyst: R. Whitfield
Verify: summitbioanalytics.com/verify
Issued: 2026-08-02

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