



Client:	Iron Within Research
Accession #:	2605060157
Search Code:	Iron2605060157
Received:	05/06/2026
Reported:	05/08/2026
Lot:	Blue Cap

Sample Summary

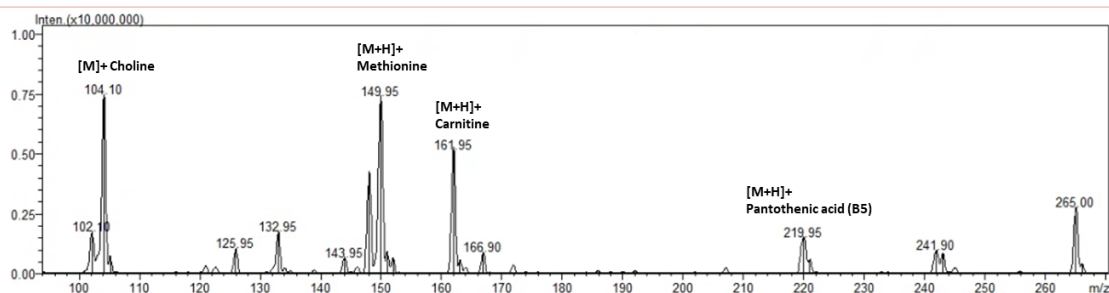
Product: Lipo-C 10ml
Appearance: Clear Liquid

Analytical Results

Test	Result
Identity (LC-MS)	Choline/Carnitine/Methionine/Pantothenic acid (B5)

Method: Mass Spectrometry (LC-MS).

Mass Confirmation



Notes/Comments



Principal Chemist

FreedomDiagnosticsTesting.com

Admin@FreedomDiagnostics.net

Proudly Owned and Operated in the USA

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample integrity, handling, and other experimental variables.



SUMMIT
BIOANALYTICS

Certificate of Analysis

#SBA-26-0019

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

TESTED FOR

Iron Within Research

SAMPLE

MIC (Lipo-C + B12) — 10 mL

PASS

BATCH #

**IWR-2607-
LIPOC**

PURITY

—

MASS

—

IDENTITY

Confirmed

COA #:

SBA-26-0019

Method:

**LC-MS Identity,
Sterility & Elemental
Screen**

Lot Number:

IWR-2607-LIPOC

Labeled Content:

10 mL

Analysis Date:

2026-08-02

Date Received:

2026-07-29

Appearance:

**Clear red solution,
intact seal, no
particulates**



SCAN TO VERIFY



Identity



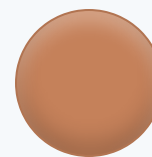
**Purity — not
tested**



**Endotoxins —
not tested**



Fentanyl Free



VIAL CAP

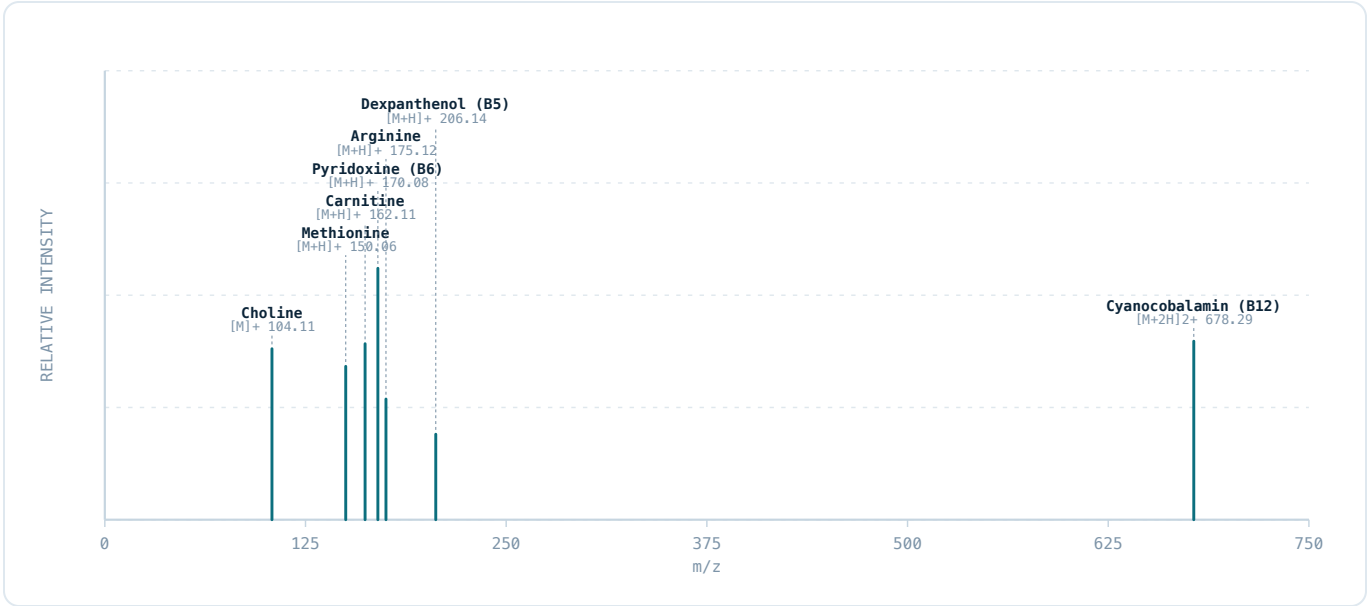
Copper

#C5815A

CLOSURE AS
RECEIVED

Test	Specification	Result
Identity (LC-MS)	Carnitine / Choline / Methionine / Arginine / B6 / B5 / B12	All 7 components confirmed
Fentanyl Screen (LC-MS/MS)	Not detected	Not detected
Sterility Screen (rapid PCR)	No growth	No growth
Heavy Metals (ICP-MS)	ICH Q3D limits	All analytes within limits

Identity confirmed by LC-MS with mass confirmation of each declared component. Chromatographic purity is not a meaningful measure for a multi-component formulation and was not run. 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.



Component	Formula	Ion	M/Z	Identity
Choline	C5H14NO+	[M] ⁺	104.107	Confirmed
Methionine	C5H11NO2S	[M+H] ⁺	150.058	Confirmed
Carnitine	C7H15NO3	[M+H] ⁺	162.112	Confirmed
Pyridoxine (B6)	C8H11NO3	[M+H] ⁺	170.081	Confirmed
Arginine	C6H14N4O2	[M+H] ⁺	175.119	Confirmed
Dexpanthenol (B5)	C9H19NO4	[M+H] ⁺	206.139	Confirmed
Cyanocobalamin (B12)	C63H88CoN14O14P	[M+2H] ²⁺	678.291	Confirmed

Each m/z is the exact mass calculated for the stated formula and adduct, so every assignment can be checked independently. Identity confirmation establishes that a declared component is present; it is not a measure of how much is present, and this certificate makes no quantitative claim about the formulation.

Kasey Malganus

Kasey Malganus
Lab Director
2026-08-02

COA #:

SBA-26-0019

Access Code:

7NLXS248

Analyst:

R. Whitfield

Verify:

summitbioanalytics.com/verify

Issued:

2026-08-02