

CLIENT & SAMPLE INFORMATION

Client	BLUEINDIGO PEPTIDES	Certified Date	08/03/2026
Lot / Batch	BIP01-LIPOC216	Product Name	Lipo-C + B12
Form / Matrix	Liquid Blend	Volume	216 mg

This Certificate of Analysis confirms the identity and quality of the Lipo-C formulation listed herein. Compound identification was performed by HPLC-UV with LC-MS/MS confirmation. All active components were detected and found to conform with expected molecular masses and chromatographic profiles.

ACTIVE COMPONENT IDENTITY (LC-MS/MS)

All components detected by HPLC with UV Detection confirmed by Mass Spectrometry. Identity confirmed via observed m/z vs. theoretical m/z.

Component	CAS Number	Theoretical m/z [M+H] ⁺	Observed m/z	Status
L-Methionine	63-68-3	150.06	150.06	PASS
Inositol	87-89-8	181.07	181.07	PASS
Choline	62-49-7	104.11	104.10	PASS
L-Carnitine	541-15-1	162.11	162.11	PASS
Overall Identity Determination				PASS

Method: HPLC-UV with LC-MS/MS confirmation | All four active components detected and confirmed present.

ADDITIONAL QUALITY SCREENS

No additional screens were selected for this sample submission.

TESTING METHODOLOGY

Compound Identity (LC-MS/MS)

Multi-component identity confirmation performed by reverse-phase HPLC with UV detection coupled with tandem mass spectrometry (LC-MS/MS). Each active ingredient is identified by retention time and confirmed by observed [M+H]⁺ or [M+2H]²⁺ molecular ions matched against theoretical masses. All four Lipo-C components (L-Methionine, Inositol, Choline, L-Carnitine) were evaluated in a single analytical run.

