CLIENT & SAMPLE INFORMATION

Client	ProSeq Labs	**Certified Date**	09/26/2026
Lot / Batch	PRO-21	**Product Name**	Lipo-C
Form / Matrix	Liquid Blend	**Volume**	10 mL

This Certificate of Analysis confirms the identity and quality of the multi-component liquid blend listed herein. Compound identification was performed by HPLC-UV with LC-MS/MS confirmation. Declared active components were evaluated against their expected molecular masses and chromatographic profiles.

ACTIVE COMPONENT IDENTITY (LC-MS/MS)

Ingredients OBSERVED in this sample by LC-MS (ESI Q-TOF), listed with the ion actually measured. Each m/z below is a measurement of this vial, accepted against the run's own mass-accuracy figure. Accurate mass establishes a mass and an elemental composition, not a structure, and peak intensity is not proportional to concentration - this table reports PRESENCE, not content or proportion.

Component	Theoretical m/z [M+H]+	Observed m/z	Status
L-Carnitine	162.11	162.1126	DETECTED
myo-Inositol measured as myo-Inositol / Glucose / Fructose	181.07	198.0972 [M+NH4]+	DETECTED
Choline	104.11	104.1061 intact cation	DETECTED
Caffeine	195.0876	195.0873	DETECTED
Niacinamide (B3)	123.0553	123.0548	DETECTED
Glycerol	110.0806	110.0805 [M+NH4]+	DETECTED
Hydroxocobalamin (B12)	1368.5563	1368.5421 [M+Na]+	DETECTED
Asiaticoside (Centella)	981.5030	981.4983 [M+Na]+	DETECTED
Alpha-lipoic acid	207.0508	207.0515	DETECTED
Madecassoside (Centella)	997.4979	997.4926 [M+Na]+	DETECTED

Method: LC-MS (ESI Q-TOF), untargeted profile against a curated panel of compounds catalogued in liquid blends | 10 ingredient(s) observed. Only compounds OBSERVED in this sample are listed. A compound not listed here is not thereby absent from the product: the panel, the acquired mass range and positive-mode ionisation each bound what this method can see, and acidic or negative-mode species are poorly seen or invisible.

PHYSICOCHEMICAL PROPERTIES

Property	Specification	Result	Status
Appearance / Color	Conforms	Conforms	PASS
Physical Form	Liquid	Liquid	PASS
Particulate Matter	Essentially free	Conforms	PASS

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 declared active is identified by retention time and, where a characteristic ion is available, confirmed by observed [M+H]+ molecular ion matched against its theoretical mass. Highly polar components lacking a UV chromophore (e.g. free amino acids) are reported by identity confirmation and may require orthogonal (derivatization / HILIC) methods for full quantitation.

