

Independent Research Testing Center
875 Innovation Drive, Cambridge, MA 02139, USA

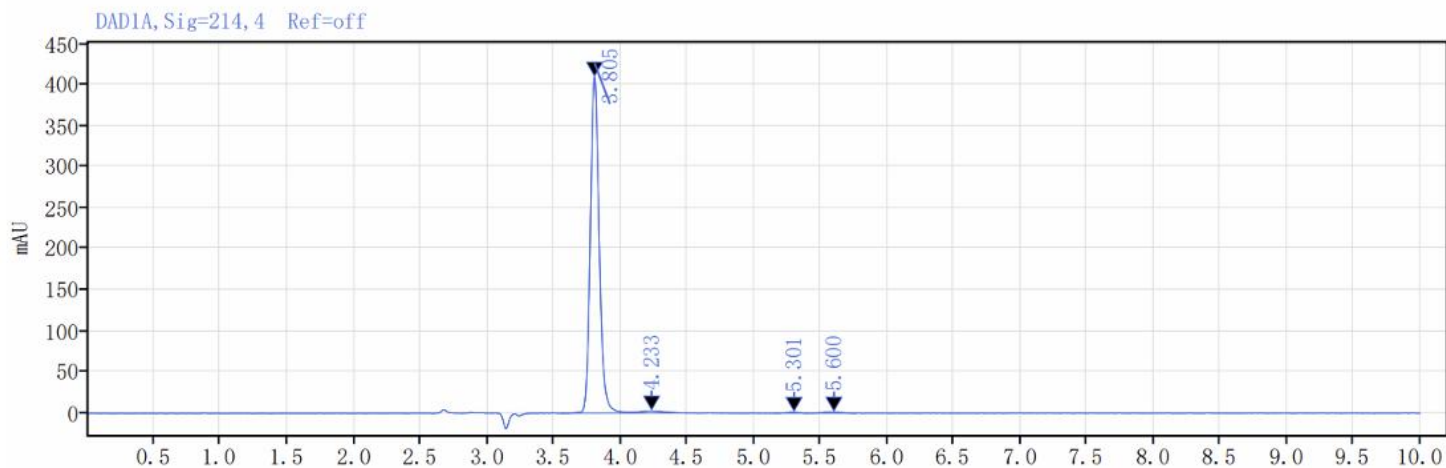
CERTIFICATE OF ANALYSIS (COA)

Product Name	L-Carnitine 500 mg (Injectable Research Vial)
Chemical Name	L-Carnitine (Levocarnitine)
CAS Number	541-15-1
Batch / Lot Number	LCAR500512
Manufacturing Date	2026-05-12
Retest / Expiry Date	2028-05-12
Net Content	500 mg per vial
Storage Conditions	Store at 2–8°C, protected from light and moisture
Appearance	White crystalline powder
Molecular Formula / MW	C ₇ H ₁₅ N ₃ / 161.20 g/mol

Analytical Results

Test Item	Specification	Result	Method
Identification	Conforms	Conforms	LC-MS
Purity (HPLC)	≥98.0%	99.48%	HPLC
Peptide Content	95.0–105.0%	100.5%	HPLC
Appearance	White crystalline powder	Conforms	Visual
Water Content	≤3.0%	0.5%	Karl Fischer
Heavy Metals	≤10 ppm	<10 ppm	ICP-MS
Endotoxin	<10 EU/mg	<10 EU/mg	LAL Test

HPLC Chromatogram



For laboratory research use only. Not for human consumption.

Tester Name	Dr. Michael Carter
Signature	
Test Date	2026-05-19