

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

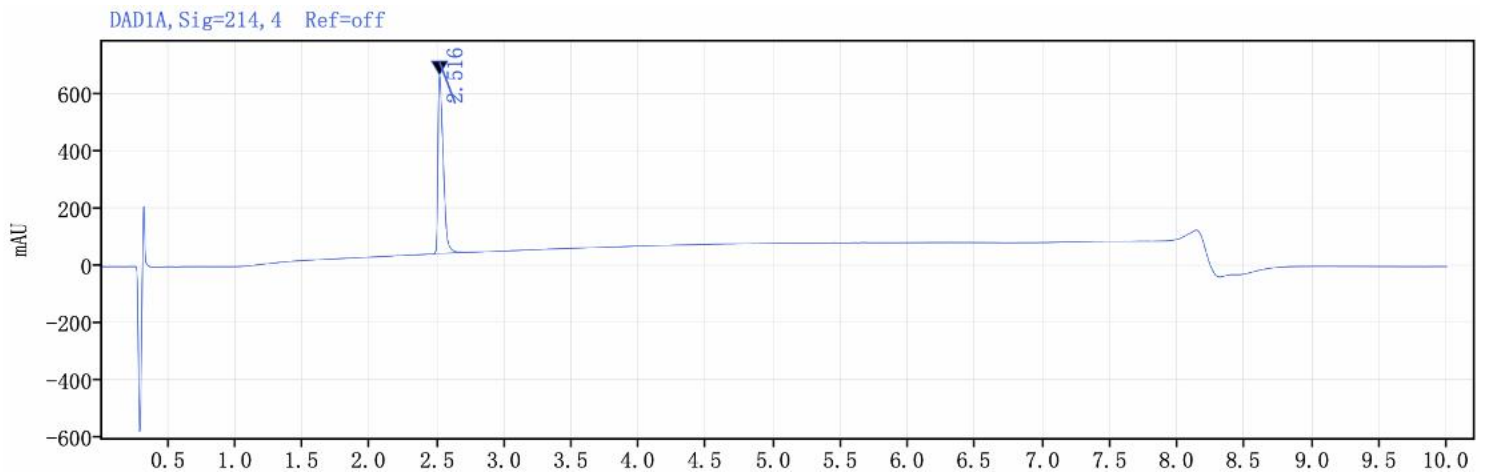
CERTIFICATE OF ANALYSIS (COA)

Product Name	LL-37 5 mg (Injectable Research Vial)
Chemical Name	Cathelicidin LL-37 (CAP-18, hCAP18 134-170)
CAS Number	154947-66-7
Batch / Lot Number	LL37050506
Manufacturing Date	2026-05-06
Retest / Expiry Date	2028-05-06
Net Content	5 mg per vial
Storage Conditions	Store at 2–8°C, protected from light and moisture
Appearance	White to off-white lyophilized powder
Molecular Formula / MW	C205H340N60O53 / 4493.37 g/mol

Analytical Results

Test Item	Specification	Result	Method
Identification	Conforms	Conforms	LC-MS
Purity (HPLC)	≥98.0%	98.84%	HPLC
Peptide Content	95.0–105.0%	99.3%	HPLC
Appearance	White to off-white lyophilized powder	Conforms	Visual
Water Content	≤3.0%	1.3%	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	2026-05-24