

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

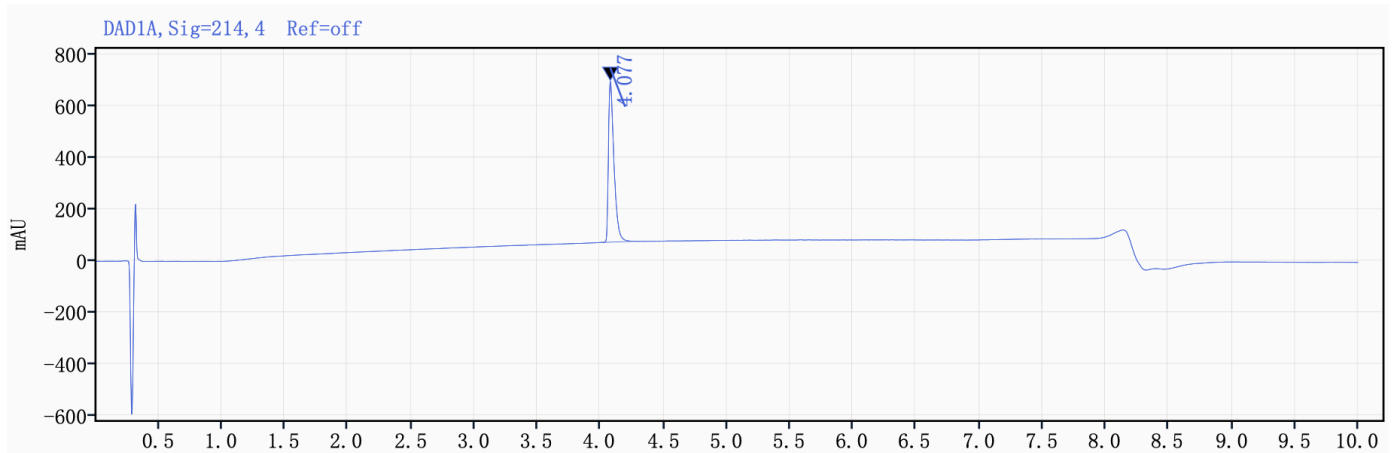
CERTIFICATE OF ANALYSIS (COA)

Product Name	GLP-2 TR 5 mg (Injectable Research Vial)
Chemical Name	Tirzepatide (GIP/GLP-1 receptor agonist)
CAS Number	2023788-19-2
Batch / Lot Number	TIRZ050511
Manufacturing Date	2026-08-11
Retest / Expiry Date	2028-08-11
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	C225H348N48O68 / 4813.45 g/mol

Analytical Results

Test Item	Specification	Result	Method
Identification	Conforms	Conforms	LC-MS
Purity (HPLC)	≥98.0%	99.41%	HPLC
Peptide Content	95.0–105.0%	99.8%	HPLC
Appearance	White to off-white lyophilized powder	Conforms	Visual
Water Content	≤3.0%	0.7%	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	2026-08-24