

Analysis Report

Project Name	Purity Analysis
Sample Description	TB500
Sample Quantity	1
Order Number	CPDC09302401
Client	Jonathan Barber
Project Date	2024-11
Remark	purity >90%

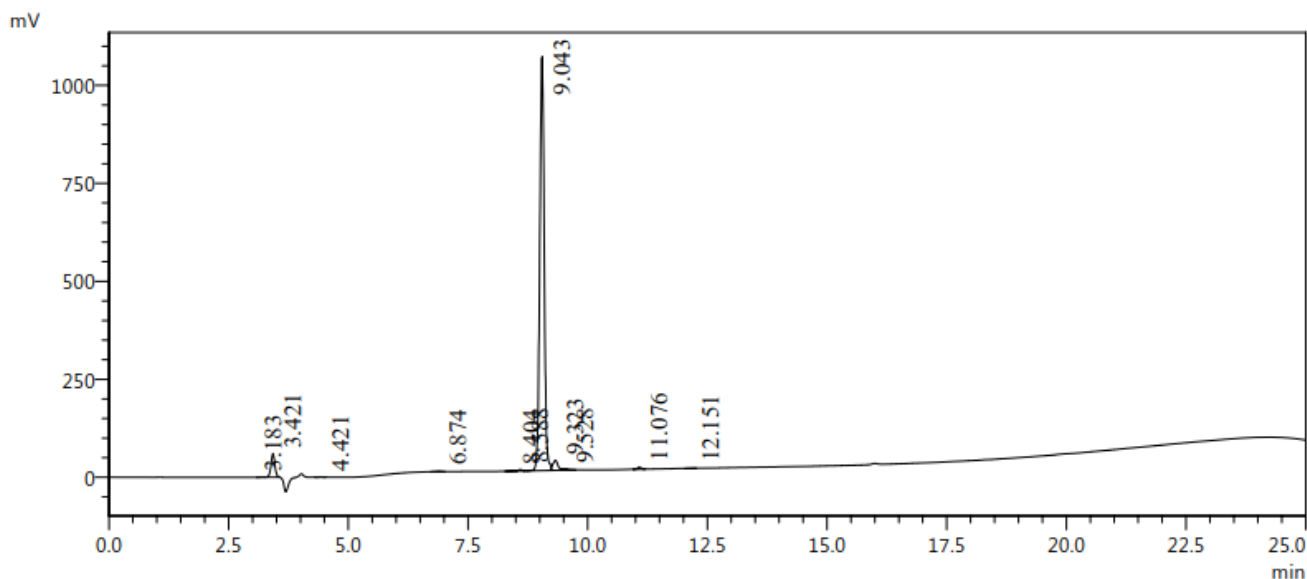
1. Sample Information

Purity analysis of peptide samples. It is detected using Shimadzu LC.

2. HPLC Analytical Methods

The HPLC analysis was performed using the HPLC system. Chromatographic separation was performed on Sinochrom ODS-BP (4.6 mm×250 mm, 5 μm) with column temperature set at 30°C. The mobile phase, which consisted of 0.1% trifluoroacetic acid water (A) and 0.1% trifluoroacetic acid-acetonitrile (B), was applied with the following programs: 0.01-20 min, 10%-100% B, 20-25.00 min, 100% B. The UV detection wavelength was at 220 nm. The flow rate was set at 1.0 mL/min and the injection volume was 10 μL.

3. HPLC Analytical Results



TB500	retention time [min]	peak area	purity %
1	3.183	3803	
2	3.421	335787	
3	4.421	4889	
4	6.874	9333	
5	8.404	753	
6	8.588	19880	
7	9.043	6853513	91.67
8	9.323	186356	

9	9.528	25014	
10	11.076	30970	
11	12.151	4401	

