TEST REPORT

E-mail: lin@peptideformulationlab.com
Web： peptideformulationlab.com

Task Number #547208

Testing ordered > 02 Jun '26

Sample received > 07 Jun '26

Client	ShiLai™ Peptide Technologies
Sample	BPC-157+TB-500 (20 mg)
Manufacturer	ShiLai™ Peptide Technologies
Batch	AR1636RT2

Sample description >

See picture or pictures attached.

Tests requested >

Assessment of a peptide cartridges.

Results >

BPC-157+TB-500	20.97mg
Assay (HPLC)	99.85%
Identity (MS)	Confirmed
Purity	99.85%
Related Impurities	≤0.8%
pH	5.8 ± 0.2
Endotoxin	<0.5 EU/mg
Sterility	Pass

Analysis conducted > 09 Sep 2026

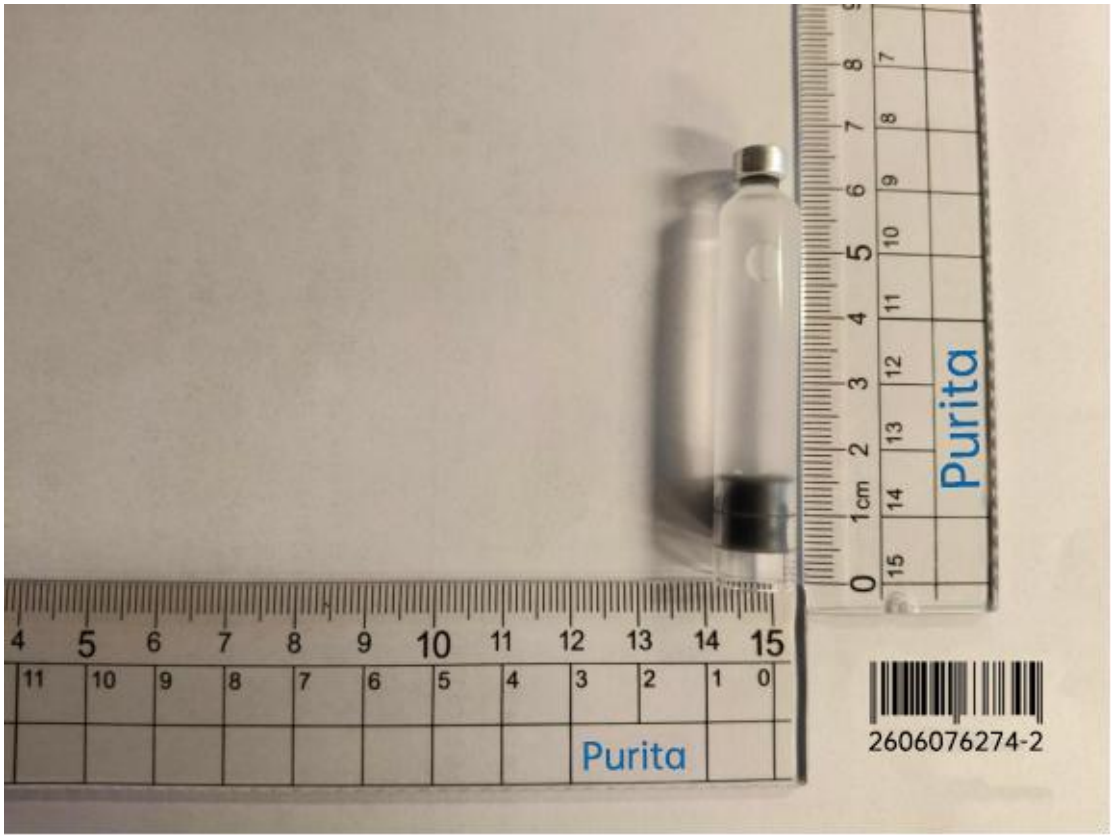
Signature >

Go to the website peptideformulationlab.com and contact the relevant person in charge to verify this test document.

26VA710493YP5

E-mail: lin@peptideformulationlab.com
Web： peptideformulationlab.com

The photo of sample：



TEST REPORT

E-mail: lin@peptideformulationlab.com
Web： peptideformulationlab.com

BPC-157 + TB-500 Injection Pen (20 mg) - Stability by HPLC

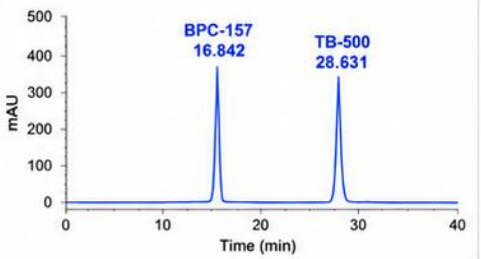
Product Name	:	BPC-157 + TB-500 Injection Pen (20 mg)	**Sample Conc.**	:	6.667mg/mL
Batch No.	:	AR1636RT2	**System**	:	Agilent 1260 Infinity II
Strength	:	20 mg / Pen (BPC-157 10 mg + TB-500 10 mg)	**Software**	:	OpenLAB CDS
Diluent	:	Bacteriostatic Water for Injection	**Run Time**	:	40 min
Column	:	Waters XBridge BEH C18, 4.6 × 150 mm, 3.5 µm	**Wavelength**	:	220 nm
Mobile Phase	:	A: 0.1% TFA in Water B: 0.1% TFA in Acetonitrile	**Data Rate**	:	10 Hz
Gradient	:	5% B to 60% B in 30 min	**Study Condition**	:	Reconstituted and stored at 2–8 °C
Flow Rate	:	1.0 mL/min	**Evaluation**	:	Area Normalization
Column Temp	:	30 °C	**Report Date**	:	2026-09-09
Detection	:	UV 220 nm			
Injection Vol.	:	10 µL			

SUMMARY OF RESULTS (2–8 °C)

Time Point	BPC-157 Assay (%)	TB-500 Assay (%)	Total Impurities (%)	pH
Day 0	99.8	99.7	0.12	7.21
Day 30	99.7	99.6	0.15	7.20
Day 60	99.5	99.4	0.18	7.18
Day 90	99.3	99.2	0.21	7.17

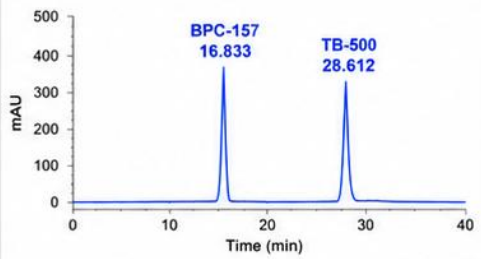
HPLC CHROMATOGRAMS (UV 220 nm)

Day 0 (Initial)



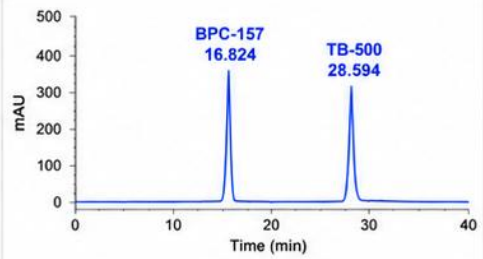
Peak No.	Retention Time (min)	Peak Name	Area (mAU·s)	Area (%)
1	16.842	BPC-157	5,248,317	49.9
2	28.631	TB-500	5,261,904	50.1
Total	-	-	10,510,221	100.0

Day 30



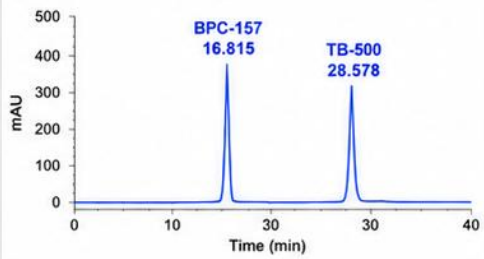
Peak No.	Retention Time (min)	Peak Name	Area (mAU·s)	Area (%)
1	16.833	BPC-157	5,236,849	49.9
2	28.612	TB-500	5,253,781	50.1
Total	-	-	10,490,630	100.0

Day 60



Peak No.	Retention Time (min)	Peak Name	Area (mAU·s)	Area (%)
1	16.824	BPC-157	5,221,643	49.9
2	28.594	TB-500	5,236,917	50.1
Total	-	-	10,458,560	100.0

Day 90

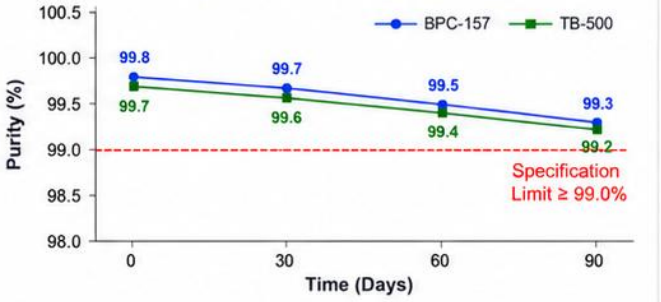


Peak No.	Retention Time (min)	Peak Name	Area (mAU·s)	Area (%)
1	16.815	BPC-157	5,206,384	49.9
2	28.578	TB-500	5,221,908	50.1
Total	-	-	10,428,292	100.0

STABILITY DATA (2–8 °C)

Time Point	BPC-157 Assay (%)	TB-500 Assay (%)	Total Impurities (%)	pH	Appearance
Day 0 (Initial)	99.8	99.7	0.12	7.21	Clear, Colorless
Day 30	99.7	99.6	0.15	7.20	Clear, Colorless
Day 60	99.5	99.4	0.18	7.18	Clear, Colorless
Day 90	99.3	99.2	0.21	7.17	Clear, Colorless

Purity Trend Over 90 Days (2–8 °C)



SYSTEM SUITABILITY (Day 0)

Parameter	Result	Acceptance Criteria
Retention Time (BPC-157)	16.842 min	N/A
Retention Time (TB-500)	28.631 min	N/A
Theoretical Plates (BPC-157)	11,256	≥ 2,000
Theoretical Plates (TB-500)	10,984	≥ 2,000
Resolution (Rs)	6.32	≥ 1.5
Tailing Factor (BPC-157)	1.12	≤ 2.0
Tailing Factor (TB-500)	1.08	≤ 2.0

CONCLUSION

Under refrigerated conditions (2–8 °C), the reconstituted BPC-157 + TB-500 Injection Pen remained stable over 90 days. Purity remained above 99% for both peptides at all time points, with minimal increase in total impurities and no significant change in pH or appearance.