Big Bang Compounds

CERTIFICATE OF ANALYSIS · LOT RELEASE

bigbangcompounds.com

CERTIFICATE NO.
PL–26–00009

VERIFICATION KEY
6LLJUG2R

Scan or enter both at prymalab.net/testing/verify

CERTIFICATE OF ANALYSIS · LOT RELEASE · ISSUED FOR BIG BANG COMPOUNDS

BPC-157 5 mg

Lot **PL-2609-009** · Lyophilized powder · Label claim **5 mg/vial** · Distributed as **BPC-157**

TESTED IN-HOUSE BY PRYMALAB

In-house analytical result, not an independent third-party test

LOT / BATCH NUMBER	DATE MADE	DATE OF ANALYSIS	DATE ISSUED
PL–2609–009	2026-09-18	2026-09-19	2026-10-03

RETEST / EXPIRY	UNITS IN LOT / SAMPLED	STORAGE	CERTIFICATE TYPE
2028-09-18	250 / 2	−20 °C, desiccated, dark	Lot COA, 2 pages

COMPOUND
BPC-157
Body Protection Compound-157; pentadecapeptide

CAS NUMBER
137525-51-0

MOLECULAR FORMULA
$C_{62}H_{98}N_{16}O_{22}$

THEORETICAL MASS (AVG.)
1419.6 Da

SEQUENCE
`H–GEPPPGKPADDAGLV–OH (15 residues; free N– and C–termini)`

PURITY · RP-HPLC, AREA %
99.70%
Specification 99.0% • main peak at 4.68 min

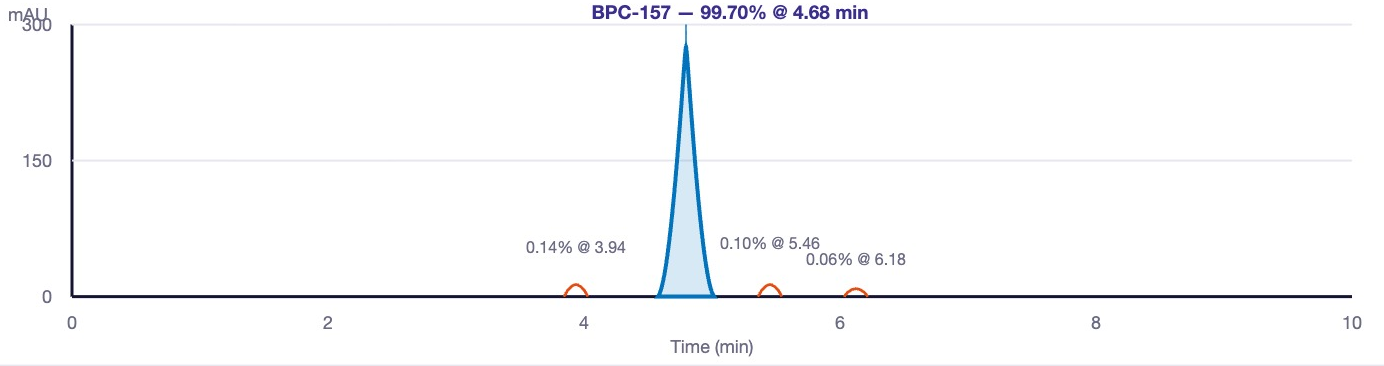
IDENTITY · OBSERVED MASS
1419.8 Da
Theoretical 1419.6 Da • +0.2 Da (139 ppm)

OVERALL CONCLUSION
PASS
Meets every specification for the tests performed

TEST	METHOD	SPECIFICATION	RESULT	CONCLUSION
Appearance	Visual inspection	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Identity (mass)	LC-MS, ESI positive	Theoretical ± 1.0 Da	1419.8 Da	**PASS**
Purity	RP-HPLC, UV 214 nm, area%	99.0%	99.70%	**PASS**
Largest impurity	RP-HPLC, area%	1.0%	0.14% at 3.94 min	**PASS**
Water content	Karl Fischer	5.0%	1.8%	**PASS**
Bacterial endotoxin	LAL, kinetic	≤ 5.0 EU/mg	0.05 EU/mg	**PASS**
Sterility / bioburden	USP <71>, membrane filtration	No growth after 14 days	No growth; conforms	**PASS**

1 HPLC CHROMATOGRAM

Data file: BPC_PL-2609-009_20260919_01 · Column C18, 150 × 4.6 mm · UV 214 nm



Baseline uncropped; main peak and impurities labeled with retention times. Peak table on page 2.

Verify: prymalab.net/testing/verify · PL–26–00009 · key 6LLJUG2R

For laboratory research use only. Not for human or veterinary use.

2 HPLC METHOD · BPC_PL-2609-009_20260919_01

INSTRUMENT Waters Alliance e2695, SN E2695B742	DATA SYSTEM Empower 3, Build 3471	DETECTOR Waters 2998 PDA
DETECTION WAVELENGTH 214 nm	COLUMN C18, 150 × 4.6 mm, 3.5 µm	COLUMN PART / SERIAL 186003326 / USHX18211
MOBILE PHASE A 0.1% TFA in water	MOBILE PHASE B 0.1% TFA in MeCN	FLOW RATE 1.0 mL/min
COLUMN TEMPERATURE 30 °C	INJECTION VOLUME 20 µL	RUN TIME 10 min
SAMPLE DILUENT Water, 0.1% TFA	SAMPLE CONCENTRATION 0.5 mg/mL	BLANK INJECTED Yes

REFERENCE STANDARD
In-house BPC-157 reference, lot PL-RS-BPC-01, RT 4.66 min

3 GRADIENT PROGRAM

TIME (MIN)	% A	% B
0.0	95	5
3.0	95	5
7.0	55	45
8.0	20	80
9.0	20	80
10.0	95	5

4 PEAK TABLE

PEAK	RT (MIN)	AREA	AREA %
1	3.94	6,020	0.14
2	**4.68**	**4,287,100**	**99.70**
3	5.46	4,300	0.10
4	6.18	2,580	0.06
Total		4,300,000	100.00

Threshold 0.05% area · Blank subtracted: Y · Purity = main peak area ÷ total integrated area × 100, to two decimals; main peak shaded.

5 IDENTITY BY MASS SPECTROMETRY

INSTRUMENT Waters Acquity SQD	IONIZATION / MODE ESI, positive	OBSERVED M/Z (CHARGE) 1420.3 (1+ [M+H]) · 1442.2 (1+ [M+Na])
DECONVOLUTED MASS 1419.8 Da	THEORETICAL MASS 1419.6 Da	DIFFERENCE +0.2 Da (139 ppm)
DATA FILE BPC_PL-2609-009_MS_20260919_01	ACCEPTANCE Within ± 1.0 Da	

6 ADDITIONAL TESTS

TEST	PERFORMED BY	DATE	REPORT / FILE
Water content	PrymaLab	2026-09-20	RPT-KF-PL-2609-009
Endotoxin	PrymaLab	2026-09-21	RPT-ET-PL-2609-009
Sterility	PrymaLab	2026-10-02	RPT-ST-PL-2609-009
Peptide content	PrymaLab	2026-09-20	RPT-AA-PL-2609-009

A test with no row here was not performed on this lot. Outside-laboratory reports, when used, are attached and named below.

7 REVIEW AND APPROVAL

D. Reynolds
Analyst · performed the testing
Date: 2026-09-19

S. Calloway
Reviewer · checked against raw data
Date: 2026-10-02

M. Phelps
Lab Director · approved for release
Date: 2026-10-03

Raw data retained at: Empower 3 (Build 3471), project PL-2609, archive PL-ARC-2026; 7 years. Outside laboratory reports attached: None

This certificate applies only to the lot named above and describes the units sampled from it; it is not a guarantee for any other lot. Results were obtained by PrymaLab LLC's own laboratory (PrymaLab Analytical) and are not an independent third-party test unless an outside report is attached. This copy is issued for Big Bang Compounds, a distributor of the lot; the brand shown does not change the laboratory, the method or the results. Reference values (CAS, formula, theoretical mass, sequence) are literature values for the named compound. Authenticity: scan the QR code or enter certificate number PL-26-00009 and key 6LLJUG2R at prymalab.net/testing/verify; any copy that does not match the record shown there is not a PrymaLab certificate. PrymaLab LLC products are supplied for laboratory research use only and not for human or veterinary use.