Cata Research

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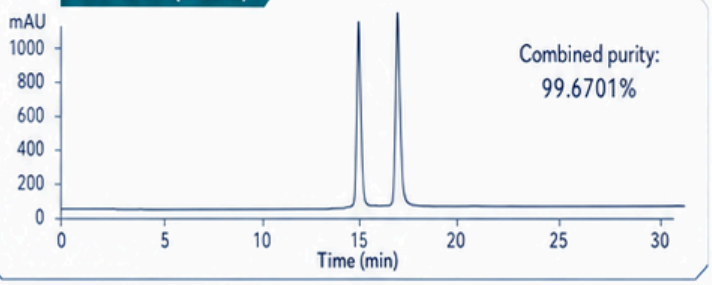
CERTIFICATE OF ANALYSIS

Document Number:
COA-CR-TBPC-0526-01

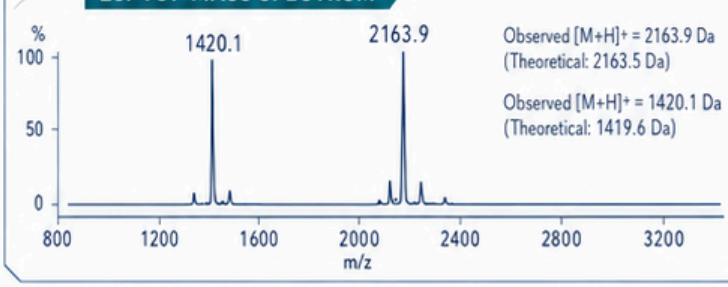
PRODUCT NAME	BATCH/LOT NUMBER	PACK SIZE	DATE OF ANALYSIS
TB500 + BPC157 Blend	CR-TBPC-0526	5mg + 5mg (10mg total)	June 1, 2026

#	TEST	SPECIFICATION	RESULT	METHOD	STATUS
1.	Appearance	White to off-white lyophilized powder	Conforms	Visual Inspection	PASS
2.	Identity (ESI-MS) - TB500	Mass matches theoretical (±1.0 Da)	Observed $[M+H]^+$ = 2163.9 Da (Theoretical: 2163.5 Da)	ESI-TOF Mass Spectrometry	PASS
3.	Identity (ESI-MS) - BPC157	Mass matches theoretical (±1.0 Da)	Observed $[M+H]^+$ = 1420.1 Da (Theoretical: 1419.6 Da)	ESI-TOF Mass Spectrometry	PASS
4.	Purity (RP-HPLC 214nm) - Combined Total	≥99.5%	99.6701% (Combined AUC of both peptide peaks)	RP-HPLC (214nm)	PASS
5.	Purity (RP-HPLC 280nm) - Combined Total	≥99.0%	99.6102%	RP-HPLC (280nm)	PASS
6.	Individual Purity - TB500	≥99.5%	99.55% (Spiked calibration)	RP-HPLC (214nm)	PASS
7.	Individual Purity - BPC157	≥99.5%	99.79% (Spiked calibration)	RP-HPLC (214nm)	PASS
8.	Total Impurities	≤0.5%	0.3299%	RP-HPLC (Area %)	PASS
9.	Single Largest Impurity	≤0.15%	0.08%	RP-HPLC (Area %)	PASS
10.	Aggregates (SEC-HPLC)	≤0.5%	<0.04%	Size Exclusion HPLC	PASS
11.	Peptide Content (Anhydrous) - Combined	≥95.0%	96.3% (Combined)	Amino Acid Analysis (AAA)	PASS
12.	Water Content (Karl Fischer)	≤5.0%	0.24%	Coulometric Karl Fischer Titration	PASS
13.	Acetate Content	≤10.0%	6.3%	Ion Chromatography	PASS
14.	Residual Acetonitrile (ACN)	≤410 ppm	<13 ppm	GC-HS	PASS
15.	Residual DMF	≤880 ppm	<9 ppm	GC-HS	PASS
16.	Residual DCM	≤600 ppm	<4 ppm	GC-HS	PASS
17.	Heavy Metals (Total by ICP-MS)	≤20 ppm	<0.3 ppm	ICP-MS	PASS
18.	Bacterial Endotoxins	<1.0 EU/mg	<0.01 EU/mg	LAL	PASS
19.	Bioburden (TAMC)	<10 CFU/g	<1 CFU/g	Plate Count (Aerobic)	PASS
20.	Amino Acid Ratio (AAA) - Both Peptides	Within ±5% of theoretical	Conforms	Amino Acid Analysis	PASS
21.	Molecular Weight Confirmation - TB500	Theoretical: 2163.5 Da	Confirmed	ESI-TOF Mass Spectrometry	PASS
22.	Molecular Weight Confirmation - BPC157	Theoretical: 1419.6 Da	Confirmed	ESI-TOF Mass Spectrometry	PASS

RP-HPLC (214nm)



ESI-TOF MASS SPECTRUM



QUALITY ASSURED

This product was tested by independent ISO-accredited laboratories located throughout North America. Full chromatographic data, mass spectra, and endotoxin reports are available upon request.

QC Release Authorized By:

CResearch

Date: June 1, 2026