Certificate of Analysis

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Liquilabs s.r.o.
Inovační 122
252 41 Zlatníky-Hodkovice
Czechia
www.liquilabs.cz

Verify Results Online

Sample Identification

Sample Name	BPC-157 10 mg
Batch Number	709941
Date Published	2026-07-16 10:12

Results for LYO-0300

Peptides	Result	Unit	Uncertainty	Acceptable Range
BPC-157 Assay Peptide Screening 0.1% TFA	10.80	*mg*	[± 0.05]	
BPC-157 Purity Peptide Screening 0.1% TFA	99.0	*%*	[± 0.5]	
BPC-157 Identification by Spectrum (FTIR) Peptide Screening 0.1% TFA	995		[± 5]	
BPC-157 Identification by RT Peptide Screening 0.1% TFA	0.995		[± 0.005]	

Microbiology	Result	Unit	Uncertainty	Acceptable Range
Bacterial Endotoxin Chromgenic USP<85>/ Eur. Ph. 2.6.14. Bacterial Endotoxin Chromgenic Test	0.022	*EU/mg*	[± 0]	0 - 0.5

Elemental Impurities	Result	Unit	Uncertainty	Acceptable Range
Arsenic Elemental Impurities screening USP ⟨232⟩ / Ph. Eur. 5.20 / 2.4.20	< 0.001	*ppm*		0 - 1.5
Cadmium Elemental Impurities screening USP ⟨232⟩ / Ph. Eur. 5.20 / 2.4.20	< 0.001	*ppm*		0 - 0.5
Quicksilver Elemental Impurities screening USP ⟨232⟩ / Ph. Eur. 5.20 / 2.4.20	< 0.001	*ppm*		0 - 1.5
Lead Elemental Impurities screening USP ⟨232⟩ / Ph. Eur. 5.20 / 2.4.20	< 0.001	*ppm*		0 - 1.5
Nickel Elemental Impurities screening USP ⟨232⟩ / Ph. Eur. 5.20 / 2.4.20	< 0.001	*ppm*		0 - 25
Vanadium Elemental Impurities screening USP ⟨232⟩ / Ph. Eur. 5.20 / 2.4.20	< 0.001	*ppm*		0 - 25
Cobalt Elemental Impurities screening USP ⟨232⟩ / Ph. Eur. 5.20 / 2.4.20	< 0.001	*ppm*		0 - 25

LIQUILABS Analytical services	Method Specification	
Determination of identity, content and purity of BPC-157/BPC-157 Arginate		
Document number BPC_006_2026	*Superseded document* -	*Number of pages* 4

1. Content Assesment

1.1. Instrumentation

Module	Name	Serial Number
System Controller	Shimadzu CBM-40 Lite	L221226351398
Degassing Unit	Shimadzu DGU-403	NA
Pump	Shimadzu LC-40B XR	L22146350580
Autosampler	Shimadzu SIL-40C XR	L22216351622
Colum Thermostat	Shimadzu CTO-40S	L22236351602
PDA Detector	Shimadzu SPD-M40	L22276352808
SQ MS Detector	Shimadzu LCMS-2050	O12476200760

1.2. Chromatographic conditions

Chromatographic conditions	
Eluent A	0.05% TFA in Water (HPLC, Gradient Grade)
Eluent B	0.0425% TFA in Acetonitrile (HPLC, Gradient Grade)
Flow rate	0.9 mL/min
Program	Gradient elution
Injection volume	2 µL
Colum Temperature	55°C
Column	Waters XSelect CSH C18, 100x2.1mm 2.5µm
Detection wavelength	225nm

Gradient Program		
Time [min]	A [%]	B [%]
1.5	95	5
13	45	55
13.5	1	99
14.5	1	99
14.51	95	5
16	end	

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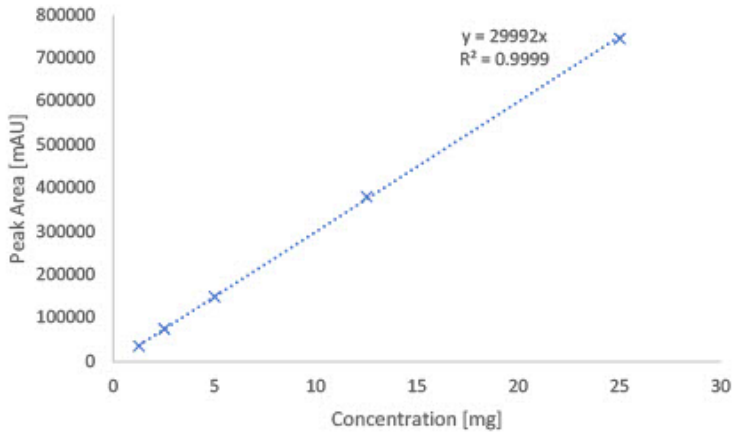
1.3. Sample preparation

Whole amount of container was dissolved in 2mL of water (LCMS Grade). 100 µL of sample was transferred to HPLC vial and diluted by 900 µL water (LCMS Grade) and submitted for analysis.

1.4. Calibration curve

Calibration curve detail	
Quantitative method	External Standard
Calibration Type	Linear
Number of calibration points	5
Force through Zero	Enabled
Weighting Method	None



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2. Purity assessment

2.1 Instrumentation

Module	Name	Serial Number
System Controller	Shimadzu CBM-40 Lite	L221226351398
Degassing Unit	Shimadzu DGU-403	NA
Pump	Shimadzu LC-40B XR	L22146350580
Autosampler	Shimadzu SIL-40C XR	L22216351622
Colum Thermostat	Shimadzu CTO-40S	L22236351602
PDA Detector	Shimadzu SPD-M40	L22276352808
SQ MS Detector	Shimadzu LCMS-2050	O12476200760

2.2 Chromatographic conditions

Chromatographic conditions	
Eluent A	0.05% TFA in Water (HPLC, Gradient Grade)
Eluent B	0.0425% TFA in Acetonitrile (HPLC, Gradient Grade)
Flow rate	0.9 mL/min
Program	Gradient elution
Injection volume	2 µL
Colum Temperature	55ºC
Column	Waters XSelect CSH C18, 100x2.1mm 2.5µm
Detection wavelength	225nm

Gradient Program		
Time [min]	A [%]	B [%]
1.5	95	5
13	45	55
13.5	1	99
14.5	1	99
14.51	95	5
16	end	

2.3 Purity assesment

Purity of compound assesed by area normalization method, comparing area of each peak to sum of area of all peaks detected at wavelenght of 214 nm.

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Analysis Report

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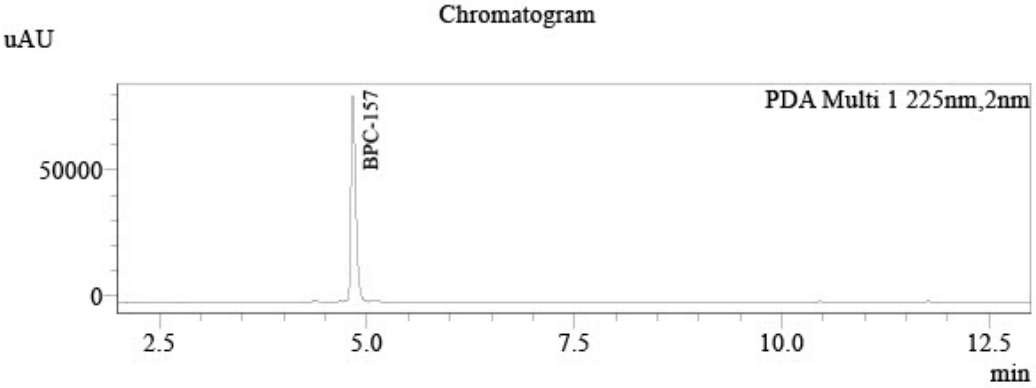
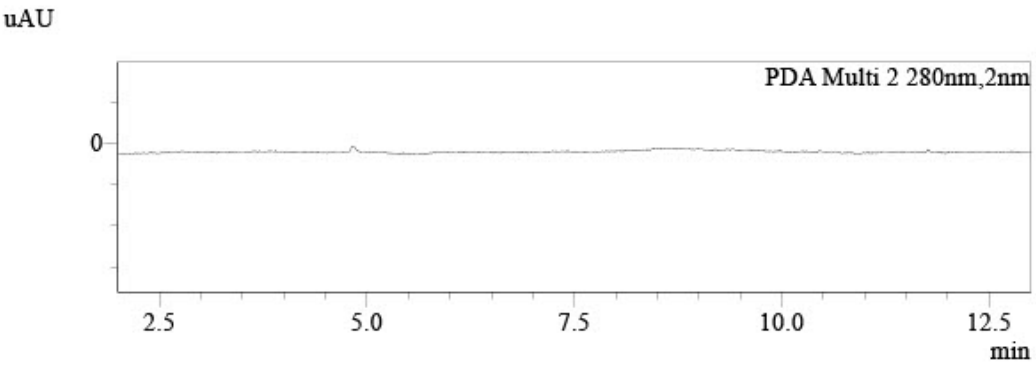
Analysis of quantity and purity of active ingredient by UHPLC with UV detection

Sample Information

Injection Volume	: 2
Data File	: LYO-0300__011.lcd
Method File	: Peptide screening_V7_Group C.lcm
Date Acquired	: 6/30/2026 3:25:08 PM

Chromatogram





Peak Table

PDA Ch1 225nm

Name	Ret. Time	Area	Conc.	Unit	Area%
	4.364	901	0.000		0.275
	4.673	332	0.000		0.101
BPC-157	4.830	324762	10.800	mg	98.991
	5.074	2078	0.000		0.633
		328074			100.000

Peak Table

PDA Ch2 280nm

Name	Ret. Time	Area	Conc.	Unit

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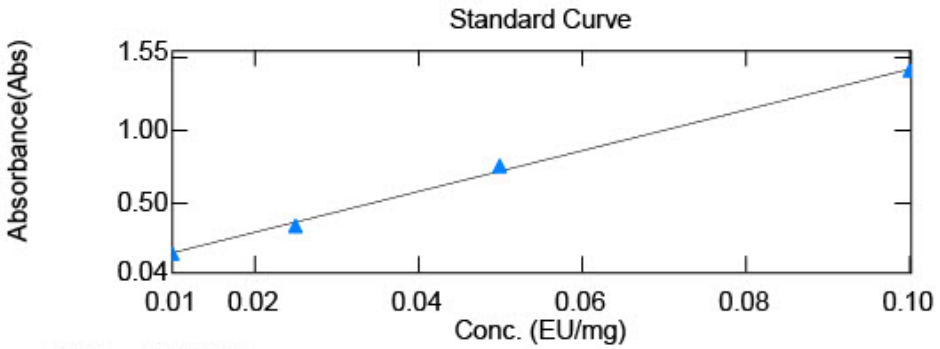
Endotoxin Determination Report

File Information
Filename: C:\UVVis-Data\Data\File_260713_144946.vqud
Date/Time: 07/13/2026 03:28:57 PM

Instrument Information
Instrument Type: UV-1900 Series
Model (S/N): UV-1900i (A12536253123)



y = 13.9884 x + 0.0252453
r2 = 0.99817

	Sample Name	Type	Conc	Result	Dilution Rate
1	LYO-0299	UNK	0.100	0.095	20.00
2	LYO-0300	UNK	0.233	0.189	20.00
3	LYO-0301	UNK	0.798	0.583	20.00
4	LYO-0302	UNK	0.642	0.474	20.00
5	LYO-0303	UNK	3.516	0.517	100.00
6	LYO-0321	UNK	0.116	0.107	20.00
7	LYO-0326	UNK	3.147	2.227	20.00
8	LYO-0327	UNK	0.022	0.041	20.00
9	LYO-0332	UNK	0.043	0.055	20.00
10	LYO-0333	UNK	0.041	0.054	20.00
11	LYO-0334	UNK	0.122	0.111	20.00
12	LYO-0335	UNK	0.264	0.210	20.00
13	LYO-0336	UNK	-0.011	0.017	20.00

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Responsibles

Mr. Ján Galbavý
CEO

Analysis results relate only to the samples tested.
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