

Analysis Report

Official laboratory analysis summary for the submitted sample and associated quality-control review.

SAMPLE Bacteriostatic Water	RECEIVED DATE Jul 13, 2026	ANALYSIS DATE Jul 28, 2026	REPORT GENERATED Jul 29, 2026
FILL VOLUME 10ml	MANUFACTURER PeptiCoreAminos		
BATCH NUMBER PC-BC10-0822P	LAB CODE 982-3		
CLIENT www.peptiCoreAminos.net			

SAMPLE INFORMATION

Bacteriostatic Water

10ML

FORM	Clear aqueous solution
SAMPLE SUBMISSION	Sample provided by customer
BATCH	PC-BC10-0822P
CAP / CRIMP COLOR	transparent blue / Silver
RECEIVED DATE	Jul 13, 2026



SAMPLE IMAGE

ACTIVE SUBSTANCE / STABILIZER

ACTIVE SUBSTANCE / STABILIZER	Benzyl alcohol
BENZYL ALCOHOL CONTENT	0.9155 %
BATCH	PC-BC10-0822P
MANUFACTURER	PeptiCoreAminos

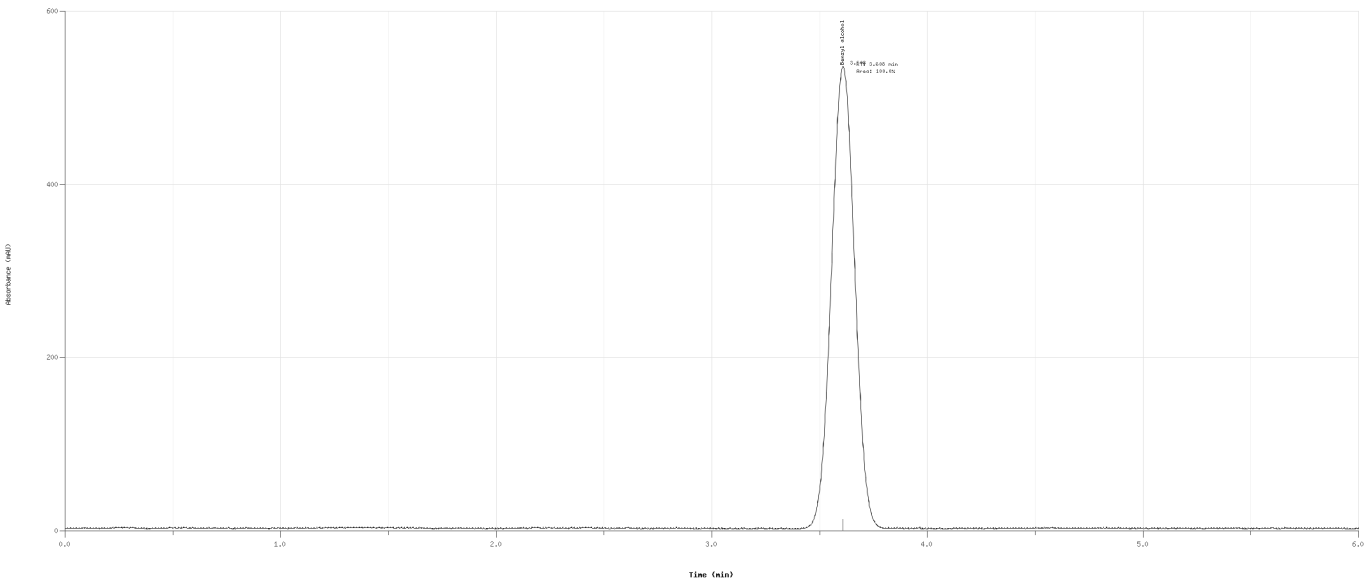
PHYSICOCHEMICAL ANALYSIS

PH DETERMINATION	6.84
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HPLC/UV CHROMATOGRAM - BENZYL ALCOHOL

Detection: UV 260 nm / 225 nm | Runtime: 6.0 min

Sample ID: Bacteriostatic Water
Report ID: BAC-Water-000001
Method: HPLC/UV Benzyl Alcohol Assay
Detector: UV 260 nm / 225 nm | Runtime: 6.0 min



METHOD

TIME	AQUEOUS PHASE	ORGANIC PHASE
0.0	70%	30%
2.0	70%	30%
4.0	55%	45%
6.0	55%	45%

TECHNICAL NOTE

Benzyl alcohol content evaluated by HPLC/UV using dual-wavelength review at 260 nm and 225 nm. The benzyl alcohol peak is reviewed at approximately 3.609 minutes. Total runtime: 6.0 minutes.

COMMENTS

The reported data are consistent with BAC Water expectations for benzyl alcohol content, pH and applicable quality specifications.

BAC METHOD SUMMARY

BACTERIOSTATIC WATER QUALITY & ADDITIONAL TESTING

Benzyl alcohol content, pH and applicable quality specifications were reviewed using BAC Water-specific HPLC/UV and quality-control criteria.

ENDOTOXIN ANALYSIS

TEST	RESULT	UNIT	REPORTING LIMIT
Bacterial Endotoxin	< 0.002	EU/mL	<= 0.25
USP<85> / Eur. Ph. 2.6.14 Bacterial Endotoxin Chromogenic Test			

TECHNICAL APPENDIX

This appendix documents the analytical methodology, instrumentation and acceptance criteria applied for the evaluation of the sample.

COMPOUND REFERENCE

PARAMETER	BACTERIOSTATIC WATER
PUBCHEM CID	962
CAS	7732-18-5
MOLECULAR FORMULA	H2O
MOLECULAR WEIGHT	18.015 g/mol
STABILIZER	Benzyl alcohol
STABILIZER CAS	100-51-6
STABILIZER FORMULA	C7H8O
STABILIZER MOLECULAR WEIGHT	108.14 g/mol

METHOD SPECIFICATION

PARAMETER	BAC WATER BENZYL ALCOHOL HPLC/UV METHOD
ANALYTICAL MODE	Benzyl alcohol content assay by HPLC/UV
COLUMN	Reversed-phase analytical column suitable for benzyl alcohol
MOBILE PHASE A	Aqueous phase
MOBILE PHASE B	Organic phase
FLOW RATE	1.0 mL/min
DETECTION	UV 260 nm / 225 nm
INJECTION VOLUME	10 uL
RUNTIME	6.0 min
SAMPLE DILUENT	Aqueous diluent compatible with benzyl alcohol assay
SAMPLE PREPARATION	Direct dilution and clarification prior to injection

INSTRUMENT PLATFORM

PARAMETER	HPLC/UV PLATFORM FOR BAC WATER
SYSTEM TYPE	Analytical HPLC system
DETECTOR	UV/VIS detector with dual-wavelength review
ACQUISITION	Chromatographic acquisition and integration software
REVIEW MODE	Benzyl alcohol retention-time and area response review
WORKFLOW NOTE	Used for BAC Water stabilizer content and physicochemical report support

ANALYTICAL CRITERIA

PARAMETER	ACCEPTANCE FRAMEWORK	BASIS
BENZYL ALCOHOL	Report-specific content result reviewed against BAC Water expectation	HPLC/UV benzyl alcohol assay
PH	Within report-specific physicochemical expectation	pH determination
ENDOTOXIN	Result reviewed against stated reporting limit	Endotoxin analysis table

VERIFICATION

Verify this report through the official Synaptica Analytics verification page using the details below.
Verification URL synaptica-labs.com/verify-report
Report ID SYN-2026-005051
Verification Key VK-F69R-E9YB

SCAN TO VERIFY



DIGITAL SIGNATURE

DIGITALLY SIGNED BY:
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Analysis date: Jul 28, 2026
Report generated: Jul 29, 2026
Analytical testing performed by Synaptica Analytics -
Analytical Services Division

Synaptica Analytics
SYN-2026-005051
Laboratory Analysis Report
VK-F69R-E9YB

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