Synaptica Analytics

Independent Laboratory Analysis Report

OFFICIAL ANALYTICAL DOCUMENT

REPORT ID
SYN-2026-004971

Analysis Report

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

SAMPLE	RECEIVED DATE	ANALYSIS DATE	REPORT GENERATED
Bacteriostatic Water	May 21, 2026	Jun 01, 2026	Jun 03, 2026

FILL VOLUME	10ml	MANUFACTURER	PepticoreAminos
BATCH NUMBER	PC-BC10-0626P	LAB CODE	673-1
CLIENT	www.pepticoreaminos.us		

SAMPLE INFORMATION

Bacteriostatic Water

10ML

FORM	Clear aqueous solution
SAMPLE SUBMISSION	Sample provided by customer
BATCH	PC-BC10-0626P
CAP / CRIMP COLOR	Blue/silver
RECEIVED DATE	May 21, 2026

SAMPLE IMAGE

ACTIVE SUBSTANCE / STABILIZER

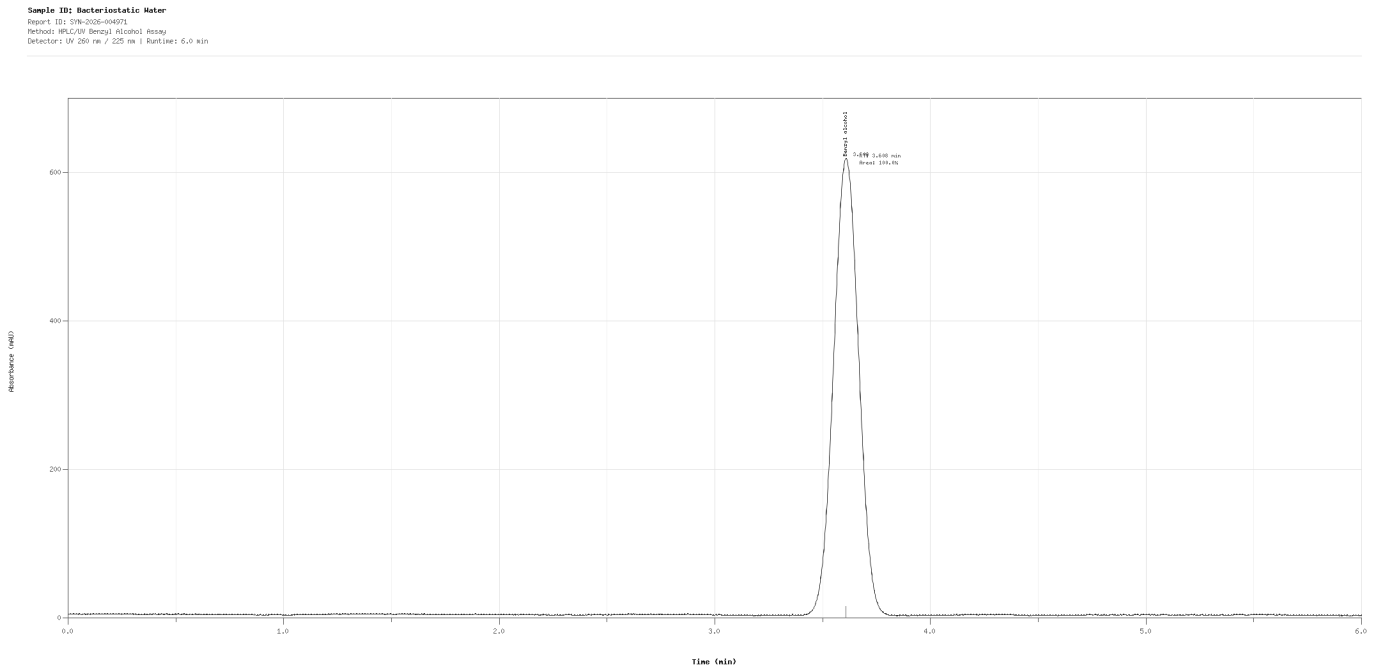
ACTIVE SUBSTANCE / STABILIZER	Benzyl alcohol
BENZYL ALCOHOL CONTENT	0.9114 %
BATCH	PC-BC10-0626P
MANUFACTURER	PepticoreAminos

PHYSICOCHEMICAL ANALYSIS

PH DETERMINATION	6.79

HPLC/UV CHROMATOGRAM - BENZYL ALCOHOL

Detection: 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 USP<85> / Eur. Ph. 2.6.14 Bacterial Endotoxin Chromogenic Test	**Not detected**	**EU/mg**	**<= 0.25**

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-2026-004971
Verification Key VK-CN4P-RH4N

SCAN TO VERIFY

DIGITAL SIGNATURE

DIGITALLY SIGNED BY:
Martin Saar
Date: 2026.06.03
10:03:58 +02'00'
Director