



Certificate of Analysis

Date: 9/28/2026 Date Tested: 9/8/2026
Customer: Peptides Optimized LLC Testing material: Bacteriostatic Water
Batch #: D01 BT Sample ID: 129846465883445
Labeled Fill 3 mL Storage: R.T.
Volume:
Visual Description: Clear, colourless solution in a 3 mL glass vial; grey aluminium crimp, black flip-off cap.
Labeled as: Bacteriostatic Water Manufacturer: N/A
Testing Purpose: Analysis of bacteriostatic water for injection: appearance, pH, benzyl alcohol content, bacterial endotoxins and sterility as recorded in this certificate. It does not test peptide purity or potency.



Test	Method	Specification	Result	Status
Appearance	Visual	Clear, colorless solution; free of visible particulates	Clear, colorless	PASS
pH	USP <791>	4.5 – 7.0	5.5	PASS
Benzyl Alcohol Content	HPLC	0.8 – 1.0 % w/v	0.9 % w/v	PASS

The results of the CoA relate only to the item(s) tested and applied to the sample as received.

COA # 3660054

ACCESS CODE **S03AID190C0F**

VERIFY AT www.genesisbiolabs.org/verify

Kenji Sato

Kenji Sato, AS
Laboratory Director
Genesis Biolabs
Signed 9/28/2026

Min-Jun Park

Min-Jun Park, AS
QA Approver
Genesis Biolabs
Signed 9/28/2026

GB-QSA-TR001
Rev 1.0 July 2026



Certificate of Analysis

Product: Bacteriostatic Water **Batch #:** D01 **Content:** 3 mL **Tested:** 9/8/2026

Test	Method	Specification	Result	Status
Bacterial Endotoxins Test	USP <85>	NMT 40 EU/vial reconstituted	PASS	PASS

The results of the CoA relate only to the item(s) tested and applied to the sample as received.

Bacterial Endotoxins Test Bacteriostatic Water Lot D01

Sample ID	Description	Volume (mL)	Endotoxin Limit (EU/vial)	Lysate Sensitivity (λ , EU/mL)	Result
D01	Bacteriostatic Water	3	40 EU/vial	0.25	0.08 EU/vial

The sample passed a valid gel clot endotoxin test based on the type, mode of administration and dosage.

Sterility Test

Test	Method	Specification	Result	Status
Sterility	USP <71> (membrane filtration)	No microbial growth	PASS	PASS

Medium	Incubation Temp.	Duration	Units Tested	Observation
Fluid Thioglycollate Medium (FTM)	30 – 35 °C	14 days	2	No growth
Soybean–Casein Digest Medium (SCDM)	20 – 25 °C	14 days	2	No growth

No microbial growth was observed. The sample meets the requirements of the sterility test (USP <71>).

Certificate of Analysis

Product: Bacteriostatic Water **Batch #:** D01 **Content:** 3 mL **Tested:** 9/8/2026

Notes & Methodology

1. Appearance assessed by visual inspection for clarity, colour and visible particulate matter.
2. pH determined potentiometrically per USP <791>.
3. Benzyl alcohol content (bacteriostatic preservative) determined by RP-HPLC against a reference standard.
4. Bacterial endotoxins determined by gel-clot method per USP <85>. Sterility per USP <71>.