

ILS Laboratories

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(619) 329-3999 | ils-lab.com

Bacteriostatic Water - 10mL

Tested for: Merit Sciences

<https://meritsciences.com/>

COA #: COA-2026-1CR7RH
Lot Number: LOT2026-06-0001
Accession #: ACC-2026-9965
Labeled Content: 10mL

Analysis Date: 07/30/2026
Appearance: Good
Sample Matrix: Lyophilized
Volume: 10mL
Date Received: 07/14/2026

PASS



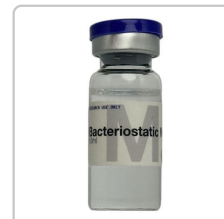
Scan to verify
authenticity at ils-lab.com
Access Code: TGA7BJBN

Method: Full QC Panel

Identity	Peptide Purity	
Bacteriostatic Water	0.850	 Fentanyl Free

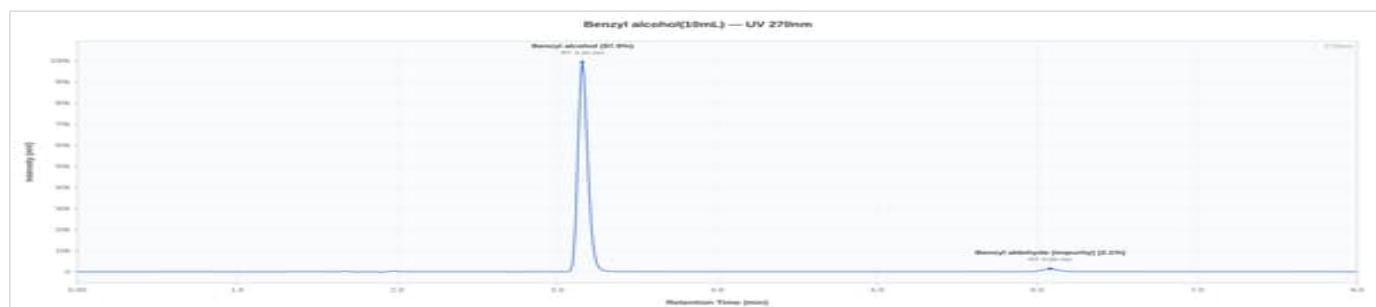
Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	0.8% - 1.0%	0.850	%	PASS
Identity (HPLC-RTM)	Benzyl alcohol	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS



Bacteriostatic Water 10mL -
LOT2026-06-0001

HPLC Chromatogram



Bacteriostatic Water 10mL - LOT2026-06-0001: UV Chromatogram

Additional Tests

Analyte	Specification	Result	Unit	Status
pH	4.5 - 7.0	6.8	ppm	PASS

Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	0	PASS
Cadmium (Cd)	NMT 0.5 ppm	0	PASS
Lead (Pb)	NMT 1.0 ppm	0	PASS
Mercury (Hg)	NMT 1.5 ppm	0	PASS
Chromium (Cr)	NMT 10.0 ppm	.0815	PASS



Dr. Greg Kalyuzhny

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Lab Director
7/30/2026

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Access Code: TGA7BJBN
Verify: <portal.ils-lab.com/verify/07ONX5B0oseWYYI->
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Sterility Testing (PCR)

Test	Specification	Result	Status
Sterility (PCR)	No Growth	No Growth	PASS

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	NMT 0.05 EU/mL	Reported

About this result: Endotoxin is reported as a quantitative value. Acceptable limits vary by product type and matrix, so no universal pass/fail threshold applies to RUO products. This result is below commonly referenced endotoxin thresholds.

Notes & Methodology

1. Date Tested: 07/30/2026. Methods: Full QC Panel; Additional Tests.
2. The sample was confirmed to be Bacteriostatic Water by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. Elemental impurities analyzed by ICP-MS per USP <233> methodology. Acceptance criteria are internal laboratory quality screening limits for research-use materials and do not represent evaluation against any specific pharmacopeial monograph or product specification.
4. Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
5. Peptide purity determined by RP-HPLC area normalization at 214 nm. Value represents the percentage of the target peptide relative to all peptide-related peaks. Non-peptide process-related impurities, if detected, are excluded from the calculation.




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7/30/2026

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