Mesa Research

CERTIFICATE OF ANALYSIS · LOT RELEASE

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CERTIFICATE NO.
PL-26-00140

VERIFICATION KEY
ASBZA2CE

Scan or enter both at prymalabnet/testing/verify

CERTIFICATE OF ANALYSIS · LOT RELEASE · ISSUED FOR MESA RESEARCH

BAC Water 10 mL

Lot PL-2610-018 · Solution · Label claim 10 mL per vial

TESTED IN-HOUSE BY PRYMALAB

In-house analytical result, not an independent third-party test

LOT / BATCH NUMBER	DATE MADE	DATE OF ANALYSIS	DATE ISSUED
PL-2610-018	2026-10-01	2026-10-02	2026-10-16
RETEST / EXPIRY	**UNITS IN LOT / SAMPLED**	**STORAGE**	**CERTIFICATE TYPE**
2028-10-01	281 / 2	—	Lot COA, 2 pages

COMPOUND
Bacteriostatic water
Sterile water for injection with benzyl alcohol as preservative, a diluent, not a peptide

CAS NUMBER
7732-18-5 (water) · 100-51-6 (benzyl alcohol)

MOLECULAR FORMULA
H_2O + benzyl alcohol (C_7H_8O)

THEORETICAL MASS (AVG.)
n/a

STRUCTURE
`Water for injection preserved with benzyl alcohol`

PURITY · RP-HPLC, AREA %

—

Not applicable bacteriostatic water is a diluent (no HPLC purity test)

BENZYL ALCOHOL · USP <341>

0.89%

Specification 0.85–0.95% • pH 5.7 (specification 4.5–7.0)

OVERALL CONCLUSION

PASS

Meets every specification for the tests performed

TEST	METHOD	SPECIFICATION	RESULT	CONCLUSION
Benzyl alcohol content	USP <341>	0.85–0.95%	0.89%	PASS
pH	pH measurement	4.5–7.0	5.7	PASS
Bacterial endotoxin	LAL, kinetic	< 0.5 EU/mL	0.26 EU/mL	PASS
Sterility	USP <71>, 14-day	No growth	No growth	PASS

1 HPLC CHROMATOGRAM

Data file: — · Column — · UV —

No HPLC test applies to bacteriostatic water.

Not applicable — no HPLC or mass-spectrometry test applies to bacteriostatic water. The tests performed are listed in the table above.

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For laboratory research use only. Not for human or veterinary use.

2 HPLC METHOD · —

COLUMN
—

DETECTION WAVELENGTH
—

NOT APPLICABLE
No HPLC test applies to bacteriostatic water

3 GRADIENT PROGRAM

TIME (MIN)	% A	% B

4 PEAK TABLE

PEAK	RT (MIN)	AREA	AREA %

Not applicable to bacteriostatic water · Purity = main peak area ÷ total integrated area × 100, to two decimals; main peak shaded.

5 IDENTITY BY MASS SPECTROMETRY

NOT APPLICABLE
No mass-spectrometry test applies to bacteriostatic water

6 ADDITIONAL TESTS

TEST	PERFORMED BY	DATE	REPORT / FILE
Benzyl alcohol content	PrymaLab Analytical	2026-10-02	—
pH	PrymaLab Analytical	2026-10-02	—
Bacterial endotoxin	PrymaLab Analytical	2026-10-02	—
Sterility	PrymaLab Analytical	2026-10-16	—

A test with no row here was not performed on this lot. Outside-laboratory reports, when used, are attached and named below.

7 REVIEW AND APPROVAL

D. Reynolds
Analyst · performed the testing
Date: 2026-10-16

S. Calloway
Reviewer · checked against raw data
Date: 2026-10-16

M. Phelps
Lab Director · approved for release
Date: 2026-10-16

Raw data retained at: project PL-2610, archive PL-ARC-2026, 7 years. Outside laboratory reports attached None

This certificate applies only to the lot named above and describes the units sampled from it; it is not a guarantee for any other lot. Results were obtained by PrymaLab LLC's own laboratory (PrymaLab Analytical) and are not an independent third-party test unless an outside report is attached. This copy is issued for Mesa Research, a distributor of the lot; the brand shown does not change the laboratory, the method or the results. Reference values (CAS, formula, theoretical mass, sequence) are literature values for the named compound. Authenticity: scan the QR code or enter certificate number PL-26-00140 and key ASBZA2CE at prymalabnet/testing/verify; any copy that does not match the record shown there is not a PrymaLab certificate. PrymaLab LLC products are supplied for laboratory research use only and not for human or veterinary use.