

CLIENT & SAMPLE INFORMATION

Client

Beast Labs

Analysis Date

05/28/2026

Lot / Batch

BW78916

Product Name

Bacteriostatic Water

Preservative

Benzyl Alcohol 0.9%

Container

Poly Vial

This Certificate of Analysis certifies that the bacteriostatic water sample listed herein was tested for preservative content, sterility, and physicochemical properties in accordance with applicable USP/EP methods.

BENZYL ALCOHOL ASSAY (GC)

| Parameter              | Specification | Result    | Status | Parameter              | Specification | Result  | Status |
|------------------------|---------------|-----------|--------|------------------------|---------------|---------|--------|
| Appearance (Color)     | Colorless     | Colorless | PASS   | GC Impurity 1          | ≤ 0.50%       | < 0.01% | PASS   |
| Appearance (Form)      | Liquid        | Liquid    | PASS   | GC Impurity 2          | ≤ 0.50%       | ND      | PASS   |
| Benzyl Alcohol Content | 0.9% +/- 10%  | 0.90%     | PASS   | Refractive Index (20C) | 1.540 - 1.542 | 1.541   | PASS   |
| Purity (GC)            | ≥ 99.5%       | 99.9%     | PASS   | Overall Determination  |               |         | PASS   |

Reference: CAS 100-51-6 | C<sub>7</sub>H<sub>8</sub>O | MW 108.14 g/mol | Method: Gas Chromatography per USP <621>

TESTING METHODOLOGY SUMMARY

Benzyl Alcohol Assay (GC)

The preservative content was quantified using Gas Chromatography per USP <621>. This method separates and measures benzyl alcohol concentration to verify the 0.9% w/v specification. Sample preparation involves dilution in appropriate solvent, followed by injection into the GC system equipped with a flame ionization detector (FID). Peak area is compared against certified reference standards to determine concentration. Impurity profiles are simultaneously assessed to ensure product purity meets pharmacopeial requirements.



ADDITIONAL QUALITY SCREENS

PH ANALYSIS

|               |           |
|---------------|-----------|
| Method        | USP <791> |
| Specification | 4.5 - 7.0 |
| Result        | 5.5       |
| Status        | PASS      |

ENDOTOXIN SCREEN

|        |                |
|--------|----------------|
| Method | LAL (USP <85>) |
| Limit  | ≤ 0.5 EU/mL    |
| Result | < 0.10 EU/mL   |
| Status | PASS           |

STERILITY / MICROBIAL SCREEN

|               |                 |
|---------------|-----------------|
| Method        | Rapid Sterility |
| Specification | No Growth       |
| Incubation    | 2 days          |
| Result        | No Growth       |
| Fungi         | Not Detected    |
| Status        | PASS            |

