



CLIENT & SAMPLE INFORMATION

Client	VeriPure LLC	Analysis Date	06/29/2026
Lot / Batch	6-29	Product Name	BAC Water (Standard)
Preservative	Benzyl Alcohol 0.9%	Container	Glass 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	$\leq 0.50\%$	$< 0.01\%$	PASS
Appearance (Form)	Liquid	Liquid	PASS	GC Impurity 2	$\leq 0.50\%$	ND	PASS
Benzyl Alcohol Content	0.9% +/- 10%	0.90%	PASS	Refractive Index (20C)	1.540 - 1.542	1.541	PASS
Purity (GC)	$\geq 99.5\%$	99.9%	PASS	Overall Determination			PASS

Reference: CAS 100-51-6 | C_7H_8O | 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

ENDOTOXIN SCREEN		STERILITY / MICROBIAL SCREEN		HEAVY METAL SCREEN	
Method	LAL (USP <85>)	Method	Rapid Sterility	Method	ICP-MS
Limit	≤ 0.5 EU/mL	Specification	No Growth	Specification	Compliant
Result	< 0.10 EU/mL	Incubation	2 days	Result	PASS
Status	PASS	Result	No Growth	Status	PASS
		Fungi	Not Detected		
		Status	PASS		

