

Certificate of Analysis (COA)

Applicant : Wuhan Water World Environmental Technology Co., Ltd.

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Sample name : Pharmaceutical Grade Bacteriostic Water

Number of samples : 1

Sample delivery date : 2026/10/13

Reporting period : 2026/10/13-2027/10/13

Shenzhen CIIC Testing Technical Service Co., Ltd.

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The samples for the following tests are provided and confirmed by the applicant

Sample name : Pharmaceutical Grade Bacteriostic Water
Trademark : /
Model : SZG-2026-010
Exterior : Liquid
Odor : Odorless
Production Date : 2026/10/13
Batch number : SZG-3006

Testing requirements	Result
Certificate of Analysis	Refer to the next page

Main components and analysis:

Ingredients	Concentration % w/w
Benzyl Alcohol	0.9%
Purified Water	99.1%

Test Item	Acceptance Criteria	Test Result	Conclusion
Appearance	Colorless clear liquid, no visible particles, slight aromatic odor	Colorless clear liquid, no visible particles, slight aromatic odor	Compliant
pH Value	Original solution: 5.0–7.0	6.2	Compliant
Identification	1. Benzaldehyde odor reaction positive; 2. Infrared spectrum matches reference spectrum	Reaction positive; infrared spectrum matches reference spectrum	Compliant
Relative Density	Raw material (25°C): 1.043–1.050	1.046	Compliant
Refractive Index	Raw material (20°C): 1.538–1.541	1.539	Compliant
Acidity	Take 10 mL sample, add phenolphthalein indicator; consumption of 0.1 M sodium hydroxide ≤ 0.2 mL	0.08 mL	Compliant
Clarity and Color of Solution	Clear and colorless after shaking	Clear and colorless	Compliant
Chloride	$\leq 0.003\%$	Compliant	Compliant
Water Content (Karl Fischer Method)	$\leq 0.5\%$	0.23%	Compliant
Benzyl Alcohol Content	95.0%–105.0% of labeled amount	98.6%	Compliant
Related Substances	1. Benzaldehyde $\leq 0.05\%$; 2. Single unknown impurity $\leq 0.01\%$; 3. Total other impurities $\leq 0.05\%$	Compliant	Compliant
Bacterial Endotoxins	≤ 0.1 EU/mg benzyl alcohol (gel method)	< 0.1 EU/mg	Compliant
Sterility Test	Sterile (membrane filtration method)	No microbial growth	Compliant
Insoluble Particles	$\geq 10 \mu\text{m}$: ≤ 6000 particles/bottle; $\geq 25 \mu\text{m}$: ≤ 600 particles/bottle (Chinese Pharmacopoeia General Chapter)	Compliant	Compliant

Item	Specification	Result
Assay Appearance Stability	No precipitation, stratification or turbidity	Complies
Conductivity	$\leq 5.0 \mu\text{S/cm}$	1.8 $\mu\text{S/cm}$
Osmolality	250–350 mOsm/kg	298 mOsm/kg
Residue on Evaporation	$\leq 0.05\%$	0.012%
Heavy Metals (as Pb)	$\leq 10 \text{ ppm}$	$< 1 \text{ ppm}$
Lead (Pb)	$\leq 1 \text{ ppm}$	$< 0.05 \text{ ppm}$
Cadmium (Cd)	$\leq 0.5 \text{ ppm}$	$< 0.02 \text{ ppm}$
Mercury (Hg)	$\leq 0.1 \text{ ppm}$	$< 0.01 \text{ ppm}$
Arsenic (As)	$\leq 1 \text{ ppm}$	$< 0.05 \text{ ppm}$
Iron (Fe)	$\leq 1 \text{ ppm}$	$< 0.1 \text{ ppm}$
Sulfate	$\leq 0.01\%$	Complies
Residual Solvents	Meets laboratory requirements	Complies
UV Absorbance (254 nm)	$\leq 0.10 \text{ AU}$	0.03 AU
Packaging Integrity	No leakage or damage	Pass
Fill Volume	30 mL $\pm 5\%$	30.2 mL
Closure Integrity	Secure seal	Pass
Container Cleanliness	No visible contamination	Pass
Storage Stability Test	No significant change	Pass
Accelerated Stability (40°C/14 Days)	No visible change	Pass

Notice:

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Sample Pictures:

Photo1



Photo2

