

# Certificate of Analysis (COA)

**Applicant** : Wuhan Water World Environmental Technology Co., Ltd.  
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**Sample name** : Benzyl Alcohol Reconstitution Solution  
**Number of samples** : 1  
**Sample delivery date** : 2026/05/16  
**Reporting period** : 2026/05/16-2027/05/16

Shenzhen CIIC Testing Technical Service Co., Ltd.

Drafted by.....:	<i>Erik Zhou</i>
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The samples for the following tests are provided and confirmed by the applicant

**Sample name** : Benzyl Alcohol Reconstitution Solution  
**Trademark** : /  
**Model** : /  
**Exterior** : Liquid  
**Odor** : None  
**Production Date** : 2026/05/16  
**Batch number** : /

Testing requirements	Result
Certificate of Analysis	Refer to the next page

**Main components and analysis:**

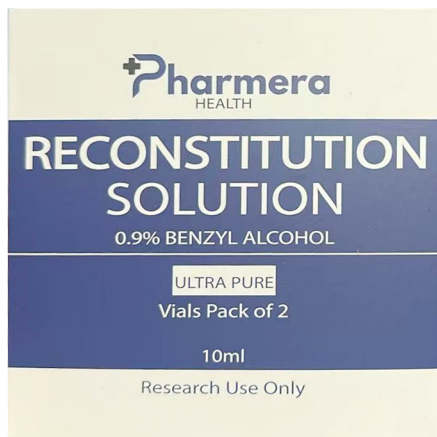
Ingredients	Concentration % w/w
Benzyl Alcohol	0.9%
Purified Water	99.1%

No.	Test Item	Acceptance Criteria	Results	Conclusion
1	Appearance	Clear, colorless liquid, free of visible particulates, slight aromatic odor	Clear, colorless liquid, free of visible particulates, slight aromatic odor	Conforms
2	pH Value	5.0 – 7.0 (neat solution)	6.2	Conforms
3	Identification	1. Positive benzaldehyde odor reaction; 2. IR spectrum consistent with reference spectrum	Positive reaction; IR spectrum matches reference	Conforms
4	Relative Density	1.043 – 1.050 (raw material, 25°C)	1.046	Conforms
5	Refractive Index	1.538 – 1.541 (raw material, 20°C)	1.539	Conforms
6	Acidity	Take 10 mL sample, add phenolphthalein indicator; consumption of 0.1M NaOH $\leq$ 0.2 mL	0.08 mL	Conforms
7	Clarity & Color of Solution	Clear and colorless after shaking	Clear and colorless	Conforms
8	Chloride	Not more than 0.003%	Conforms	Conforms
9	Water Content (KF)	$\leq$ 0.5%	0.23%	Conforms
10	Benzyl Alcohol Assay	95.0% – 105.0% of labeled claim	98.6%	Conforms
11	Related Substances	1. Benzaldehyde $\leq$ 0.05%; 2. Single unknown impurity $\leq$ 0.01%; 3. Total other impurities $\leq$ 0.05%	Conforms	Conforms
12	Bacterial Endotoxins	$\leq$ 0.1 EU/mg benzyl alcohol (gel clot method)	< 0.1 EU/mg	Conforms

13	Sterility Test	Sterile (membrane filtration method)	No microbial growth	Conforms
14	Particulate Matter	$\geq 10 \mu\text{m}$ : $\leq 6000/\text{container}$ ; $\geq 25 \mu\text{m}$ : $\leq 600/\text{container}$ (ChP General Chapters)	Conforms	Conforms
15	Fill Volume	100 mL/vial, not less than labeled volume	Conforms	Conforms

**Sample Pictures:**

**Photo1**



**Photo2**



\*\*\*\*\*END OF REPORT\*\*\*\*\*