

Test Report

No. 2021852/EV

Date :

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GOLDEN PHOENIX (HK) LTD
15F, RADIO CITY, 505 HENNESSY ROAD, CAUSEWAY BAY, HK

Job No. : 2455415

Report on laboratory testing on E. Coli and Staphylococcus Aureus removal performance for Ozone Water Generator (Model: GPO-100).

1. Sample Identification

Sample No. Assigned by SGS	Sample Label	Test Requested
W0708366	Ozone Water (0 minute)	E. Coli
W0708367	Ozone Water (5 minutes)	
W0709052	Tap Water (0 minute)	
W0709053	Tap Water (5 minutes)	
W0708370	Ozone Water (0 minute)	Staphylococcus Aureus
W0708371	Ozone Water (5 minutes)	
W0709059	Tap Water (0 minute)	
W0709060	Tap Water (5 minutes)	

Buyer : Over the World
 Supplier : Golden Phoenix (HK) Ltd.
 Manufacturer : Nissho Manufacturing
 Country of Origin : China
 Country of Destination : Japan, Korea, USA, Europe, South Africa

Evaluation : Conducted by SGS
 Testing Date : 27 August - 10 September 2007

2. Sampling and Analysis Methodology / 3. Results

Please refer to the following page(s)

Signed for and on behalf of
SGS Hong Kong Ltd.

JESSICA LEUNG
SECTION MANAGER

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2. Sampling and Analysis Methodology

2.1 E. Coli Removal Performance

An ozone water generator (at Ozone Water) under test was connected to a faucet for analysis. After 3 minutes running of water, 1ml of known concentration of bacterial solution (as E. Coli in approx. 1×10^6 cfu/ml) was added into a 500-ml sterilized plastic bottle and then filled with 500ml of ozone water generated from the ozone water generator. 10ml of water sample was then taken for the analysis of E. Coli on the basis of DoE (1994) Section 7.5 & 7.7 in 0-minute and 5-minutes interval for comparison.

An ozone water generator (at Tap Water) under test was connected to a faucet for analysis. After 3 minutes running of water, 1ml of known concentration of bacterial solution (as E. Coli in approx. 1×10^6 cfu/ml) was added into a 100-ml sterilized plastic bottle and then filled with 100ml of tap water generated from the ozone water generator. 10ml of water sample was then taken for the analysis of E. Coli on the basis of DoE (1994) Section 7.5 & 7.7 in 0-minute and 5-minutes interval for comparison.

2.2 Staphylococcus Aureus Removal Performance

An ozone water generator (at Ozone Water) under test was connected to a faucet for analysis. After 3 minutes running of water, 1ml of known concentration of bacterial solution (as Staphylococcus Aureus in approx. 1×10^6 cfu/ml) was added into a 500-ml sterilized plastic bottle and then filled with 500ml of ozone water generated from the ozone water generator. 10ml of water sample was then taken for the analysis of Staphylococcus Aureus on the basis of AOAC Official Method 17th ed. Method No. 990.12 in 0-minute and 5-minutes interval for comparison.

An ozone water generator (at Tap Water) under test was connected to a faucet for analysis. After 3 minutes running of water, 1ml of known concentration of bacterial solution (as Staphylococcus Aureus in approx. 1×10^6 cfu/ml) was added into a 100-ml sterilized plastic bottle and then filled with 100ml of tap water generated from the ozone water generator. 10ml of water sample was then taken for the analysis of Staphylococcus Aureus on the basis of AOAC Official Method 17th ed. Method No. 990.12 in 0-minute and 5-minutes interval for comparison.

3. Results

3.1 E. Coli Removal Performance

Initial Concentration of E. Coli: 3,700,000 cfu/ml

Parameter	Ozone Water	
	W0708366 0 minute	W0708367 5 minutes
E. Coli (cfu/ml)	< 1	< 1

Initial Concentration of E. Coli: 3,600,000 cfu/ml

Parameter	Tap Water	
	W0709052 0 minute	W0709053 5 minutes
E. Coli (cfu/ml)	16,000	16,000

3. Results (Continued)

3.2 Staphylococcus Aureus Removal Performance

Initial Concentration of Staphylococcus Aureus: 1,300,000 cfu/ml

Parameter	Ozone Water	
	W0708370 0 minute	W0708371 5 minutes
Staphylococcus Aureus (cfu/ml)	< 1	< 1

Initial Concentration of Staphylococcus Aureus: 1,500,000 cfu/ml

Parameter	Tap Water	
	W0709059 0 minute	W0709060 5 minutes
Staphylococcus Aureus (cfu/ml)	12,000	15,000

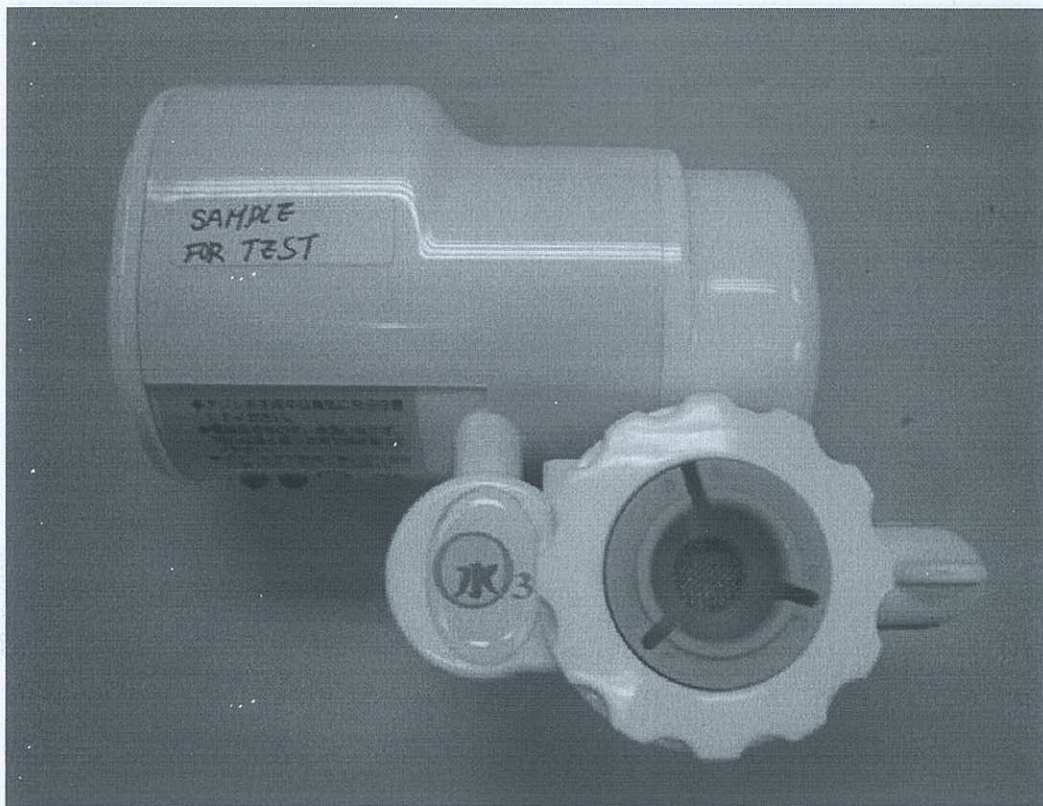
Remarks: The source of Ozone Water comes from Tap Water while the source of Tap Water comes from Distilled Water

AOAC - Association of Analytical Communities

DoE - Department of the Environment (1994), The Microbiology of Water Part I, Drinking Water, U.K. Section 7.5 & 7.7

*** End of Report ***

PHOTO APPENDIX - Top View



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PHOTO APPENDIX - Front View



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PHOTO APPENDIX - Side View



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