

1.6 SGS Bacteria tests

Date: 2004

Country: Taiwan

Distributor: HydroPath Asia

Keywords: Bacteria

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This was a report produced by the testing company SGS.

Method of Testing

A 50 liter water tank was filled up with tap water. Water from the bottom of the tank was pumped through a pump and *AquaKLEAR* before returning to the water tank. The whole fixture was sanitized before adding *Staphylococcus Aureus* and *E. Coli* with a population of 1.2×10^5 (120 000). to the water tank. Water was circulated through the *AquaKLEAR* by the pump for an hour. Sample water was then taken from the tank to test the bacteria count.

Results

After one hour, the bacteria was down to a minimal value of less than one per milliliter. This corresponds to at least a 99.99% reduction.

PRO-ADVANCE TECHNOLOGY CO., LTD.

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THE FOLLOWING MERCHANDISE WAS(WERE) SUBMITTED AND IDENTIFIED BY THE CLIENT AS :

<u>PRODUCT NAME</u>	PHYSICAL WATER CONDITIONER
<u>SAMPLE SUBMITTED</u>	PRO-ADVANCE TECHNOLOGY CO., LTD.
<u>PRODUCT DESCRIPTION</u>	1.KILL BACTERIUM 2. PREVENT SCALE
<u>STYLE/ITEM NO.</u>	HYDROFLOW, AQUAKLEAR, SPAKLEAR, STEAMKLEAR
<u>MANUFACTURER</u>	HYDROPATH (UK)LTD
<u>COUNTRY OF ORIGIN</u>	UK
<u>SAMPLE RECEIVED</u>	2004/6/11
<u>TESTING DATE</u>	2004/6/11

TEST ITEM / METHOD

Reference To AATCC 100 : 1. *Staphylococcus aureus* AACC 6538
2. *Escherichia coli* AACC 8739

TEST RESULT:

TREATMENT (REACTION TIME : 1 HR)

<u>TEST BACTERIA</u>	Counts (Before Circulation) (CFU/ml)	Counts (After Circulation for 1 hour) (CFU/ml)	Reduction(%)
<i>Staphylococcus aureus</i>	1.2x10 ⁵	<1	99.99
<i>Escherichia coli</i>	1.3x10 ⁵	<1	99.99

THE REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY.



Jeremy Li
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Signed for and on behalf of
SGS TAIWAN Ltd.