

# TEST REPORT

1. No.: CT13-15318

2. Client

○ Name : ST Electronics Co.,Ltd

○ Address : 3F, 1717-7, Seok-Cheon road, Ojeong-gu, Bucheon-si, Gyeonggi-do, Korea

○ Date of Receipt : Jan. 29, 2013

○ Date of Issued: Feb. 19, 2013

3. Test Sample : HAENIM STERILIZER (HN-01)

4. Test Results

- Refer to the attached sheet -

Reissuance (R1)

Date : 2013.8.22

Affirmation	Tested by Sang Woo Kang <i>Kang Sang Woo</i>	Technical Manager Gyoo Il Kang <i>Kang G. I.</i>
Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products.		

Korea Conformity Laboratories president Jae Bin Song *Jae Bin Song*

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Result Inquiry : Medical Device Evaluation Center ☎ 82-32-859-4070

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<Attachment>

○ **Test Item** : UV Sterilizing Ability Test (TI-10-016)

○ **Test Method**

-Strain to be used in the experiment was pre-cultured, and then same amounts of bacteria solution with constant concentrations were inoculated on the agar plate medium by spreading method.

-The control plate was directly positioned into the 37°C incubator without exposure to the sample(HAENIM STERILIZER (HN-01)).

-After operating the test system for exposure (time: 10 min), the plate was incubated for 24 hours at 37°C incubator.

-The number of viable bacteria was measured using a plate counting method. Sterilizing ability was expressed as a percentage according to following equation.

$$\text{Sterilizing ability(\%)} = \frac{\text{Number of viable bacteria of control} - \text{Number of viable bacteria of trial}}{\text{Number of viable bacteria of control}} \times 100$$

○ **Test Result**

Test microorganism	Sample	Number of bacteria (CFU/plate)	Sterilizing ability (%)
<i>Escherichia coli</i> (ATCC 8739)	Control (no operation)	$1.2 \times 10^6$	99.9
	Trial (10 min)	<10	
<i>Staphylococcus aureus</i> (ATCC 6538)	Control (no operation)	$2.9 \times 10^6$	99.9
	Trial (10 min)	<10	
<i>Salmonella typhimurium</i> (KCTC 1925)	Control (no operation)	$1.0 \times 10^6$	99.9
	Trial (10 min)	<10	
<i>Pseudomonas aeruginosa</i> (ATCC 9027)	Control (no operation)	$3.1 \times 10^6$	99.9
	Trial (10 min)	<10	

----- End of Report -----