



TEST REPORT

98, Gyoyukwon-ro, Gwacheon-si, Gyeonggi-do, 13810, Rep. of KOREA

TEL 82-2-2164-0011 FAX 82-2-2634-1008

Report No : TBK-001655

Receipt Date : 2016.10.18.

Representative : Choi Heung Bae

Test Completion Date : 2016.11.29.

Company name: Haenim Co.,Ltd

Address : 15, Saryeom-ro 21beon-gil, Seo-gu, Incheon, Republic of Korea

Sample name : Baby Bottle Sterilizer

Test Results

| TEST ITEM | UNIT | SAMPLE | RESULT | TEST METHOD |
|--|-------------|-----------------|----------------------|---------------|
| Bactericidal test (E. coli : Initial) | CFU/Carrier | Baby bottle A | 3.2×10^5 | By The Client |
| Bactericidal test (E. coli : Initial) | CFU/Carrier | Baby bottle B | 2.6×10^5 | By The Client |
| Bactericidal test (E. coli : Initial) | CFU/Carrier | Baby bottle C | 3.5×10^5 | By The Client |
| Bactericidal test (E. coli : Initial) | CFU/Carrier | Nipple | 3.4×10^5 | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Baby bottle A-1 | $< 10 (\geq 99.9\%)$ | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Baby bottle A-2 | $< 10 (\geq 99.9\%)$ | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Baby bottle A-3 | $< 10 (\geq 99.9\%)$ | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Baby bottle B-1 | $< 10 (\geq 99.9\%)$ | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Baby bottle B-2 | $< 10 (\geq 99.9\%)$ | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Baby bottle B-3 | $< 10 (\geq 99.9\%)$ | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Baby bottle C-1 | $< 10 (\geq 99.9\%)$ | By The Client |

- Next Page -

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2016.11.29.

Korea Testing & Research Institute

President

Byun, Jong-Rip

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|--|-------------|-----------------|-----------------|---------------|
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Baby bottle C-2 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Baby bottle C-3 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Nipple 1 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Nipple 2 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Nipple 3 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Nipple 4 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Nipple 5 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Nipple 6 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Nipple 7 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Nipple 8 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (E. coli : After 70 min) | CFU/Carrier | Nipple 9 | < 10 (≥ 99.9 %) | By The Client |

- Next Page -

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| Bactericidal test (S. aureus : Initial) | CFU/Carrier | Baby bottle A | 4.5×10^5 | By The Client |
| Bactericidal test (S. aureus : Initial) | CFU/Carrier | Baby bottle B | 3.5×10^5 | By The Client |
| Bactericidal test (S. aureus : Initial) | CFU/Carrier | Baby bottle C | 3.9×10^5 | By The Client |
| Bactericidal test (S. aureus : Initial) | CFU/Carrier | Nipple | 3.7×10^5 | By The Client |
| Bactericidal test (S. aureus : After 70 min) | CFU/Carrier | Baby bottle A-1 | 4.2×10^2 (99.9 %) | By The Client |
| Bactericidal test (S. aureus : After 70 min) | CFU/Carrier | Baby bottle A-2 | 1.6×10^2 (99.9 %) | By The Client |
| Bactericidal test (S. aureus : After 70 min) | CFU/Carrier | Baby bottle A-3 | 2.4×10^2 (99.9 %) | By The Client |
| Bactericidal test (S. aureus : After 70 min) | CFU/Carrier | Baby bottle B-1 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (S. aureus : After 70 min) | CFU/Carrier | Baby bottle B-2 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (S. aureus : After 70 min) | CFU/Carrier | Baby bottle B-3 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (S. aureus : After 70 min) | CFU/Carrier | Baby bottle C-1 | < 10 (≥ 99.9 %) | By The Client |

- Next Page -

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| Bactericidal test (S. aureus : After 70 min) | CFU/Carrier | Baby bottle C-3 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (S. aureus : After 70 min) | CFU/Carrier | Nipple 1 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (S. aureus : After 70 min) | CFU/Carrier | Nipple 2 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (S. aureus : After 70 min) | CFU/Carrier | Nipple 3 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (S. aureus : After 70 min) | CFU/Carrier | Nipple 4 | < 10 (≥ 99.9 %) | By The Client |
| Bactericidal test (S. aureus : After 70 min) | CFU/Carrier | Nipple 5 | < 10 (≥ 99.9 %) | By The Client |
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* Operational time

- After 70 minutes (Bactericidal system : Pressing the Auto button 3 times)

** Carrier

- Baby bottle (3 type : A, B, C), Nipple (1 type)

*** Postion of the carrier

- Refer to the report

**** Test strain

- Escherichia coli ATCC 25922

- Staphylococcus aureus ATCC 6538

**** Reduction (%) = $\{(A - B) / A\} \times 100$

- A : Plate count of control group at initial time (Average)

- B : Plate count of test group after designated time (Average)

붙임 : 시험결과보고서

- Usage of Report: For approval of supply source

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NOTE : 1. The test results of this test report are only limited in to the samples and sample names provided by the client and do not guarantee the quality of all products of the client. You can check website (www.ktr.or.kr) or QR code to verify the authenticity of the certificate.

2. This test report shall be used only within the purpose of its defined usage and shall not be used for public relation, advertisement and lawsuit.

3. This test report is only valid when printed on KTR original report paper with hologram and when re-issued by KTR. The copy and the electronic file of the test report are only for reference.

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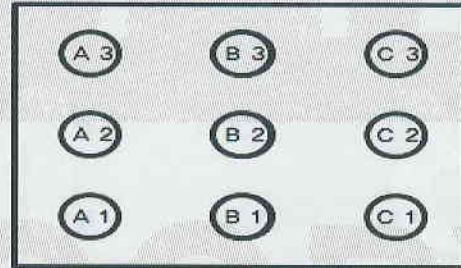
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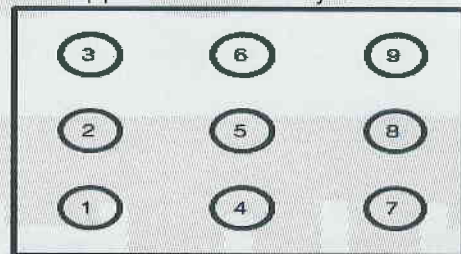
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Page: 6 of 6

6.2. Picture of test product



Upper shelf : Baby bottle



Lower shelf : Nipple

Position of the carrier



Carrier



2016-TBK-001655