

## TEST REPORT

---

APPLICANT : POLYCELL Co.,LTD  
BUYER :

KATRI NO : DGHA15-00002805  
RECEIVED DATE : SEP. 24, 2015  
ISSUED DATE : OCT. 08, 2015  
PAGE(S) : 1 OF 5

APPLICANT'S PROVIDED SAMPLE DESCRIPTION :  
DH-001

---

- Continue (Test result from page 2) -



**Leem, Seung yoon**  
Director General



KATRI NO : DGHA15-00002805

PAGE(S) : 2 OF 5

TEST ITEM	TEST RESULT
#1	
Assessment of Antibacterial Activity (%) : Ref. KS K 0693:2011	
Bacteriostatic Reduction Rate(%)	
Test Bacteria①	99.9
Test Bacteria②	99.9
Test Bacteria③	99.9
Test Bacteria④	96.1
Test Bacteria⑤	99.9
<p>&lt;Note&gt; 1. Test Bacteria</p> <p>Test Bacteria ① : <i>Staphylococcus aureus</i> ATCC 6538</p> <p>Test Bacteria ② : <i>Klebsiella pneumoniae</i> ATCC 4352</p> <p>Test Bacteria ③ : <i>Escherichia coli</i> ATCC 25922</p> <p>Test Bacteria ④ : <i>Pseudomonas aeruginosa</i> ATCC 15442</p> <p>Test Bacteria ⑤ : <i>Salmonella choleraesuis subsp.choleraesuis</i> ATCC 13311</p> <p>2. Conc. of Inoculum</p> <p>Test Bacteria ① : <math>(1 \pm 0.3) \times 10^5</math> CFU/mL</p> <p>Test Bacteria ② : <math>(1 \pm 0.3) \times 10^5</math> CFU/mL</p> <p>Test Bacteria ③ : <math>(1 \pm 0.3) \times 10^5</math> CFU/mL</p> <p>Test Bacteria ④ : <math>(1 \pm 0.3) \times 10^5</math> CFU/mL</p> <p>Test Bacteria ⑤ : <math>(1 \pm 0.3) \times 10^5</math> CFU/mL</p> <p>3. Control sample : Standard cotton fabric</p> <p>4. Nonion surfactant : Tween 80, 0.05% in Inoculum</p>	

KATRI NO : DGHA15-00002805  
PAGE(S) : 3 OF 5

IMAGE

■ 시험균①(Test bacteria①) - *Staphylococcus aureus* ATCC 6538



[ 대조편(Control sample), After 18h ]



[ 시험편(Test sample), After 18h / S#1 ]

■ 시험균②(Test bacteria②) - *Klebsiella pneumoniae* ATCC 4352



[ 대조편(Control sample), After 18h ]



[ 시험편(Test sample), After 18h / S#1 ]

KATRI NO : DGHA15-00002805  
PAGE(S) : 4 OF 5

IMAGE

■ 시험균③(Test bacteria③) - *Escherichia coli* ATCC 25922



[ 대조편(Control sample), After 18h ]



[ 시험편(Test sample), After 18h / S#1 ]

KATRI NO : DGHA15-00002805  
PAGE(S) : 5 OF 5

IMAGE

■ 시험균④(Test bacteria④) - *Pseudomonas aeruginosa* ATCC 15442



[ 대조편(Control sample), After 18h ]

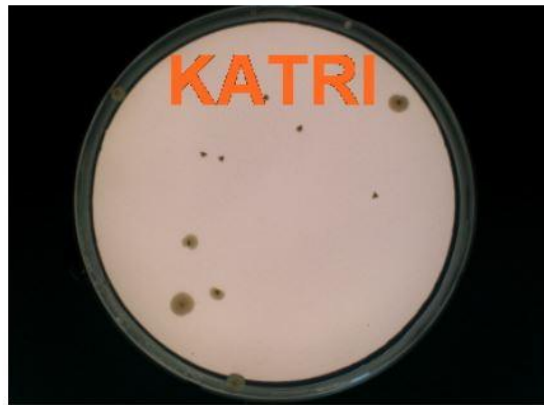


[ 시험편(Test sample), After 18h / S#1 ]

■ 시험균⑤(Test bacteria⑤) - *Salmonella choleraesuis subsp.choleraesuis* ATCC 13311



[ 대조편(Control sample), After 18h ]



[ 시험편(Test sample), After 18h / S#1 ]