

# TEST REPORT

**KOTITI No.** | 82201002107749

**To** | SILVER REX

**Date In** | MAR 26, 2020

**Date Out** | APR 14, 2020

<b>Title</b>	Test Report
<b>Item</b>	OTHER
<b>Item Name</b>	SILVERAY
<b>Buyer</b>	SILVER REX
<b>Brand Name</b>	N/S
<b>Style Number</b>	(A)MASK, (B)SILVERAY SPRAY MASK
<b>PO Number</b>	N/S
<b>Related(FO, FP) Report No</b>	N/S
<b>Color</b>	(A) #A, (B) #B
<b>Submitted Fiber Composition</b>	N/S
<b>Recommended Fiber Composition</b>	N/A
<b>Submitted Care Instruction</b>	N/S
<b>Recommended Care Instruction</b>	N/A
<b>Test Result</b>	For further details, please refer to the following page(s).

<b>Affirmation</b>	Prepared by Name : Ho Kim	Technical Manager Name : Chae Hong Kim
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**KOTITI** Testing & Research Institute



**Contact Information for technical questions and general inquiries.**

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1. The test results contained in this report are limited to results on the sample(s) that is provided by client and are not necessarily indicative or representative of the qualities of the lot from which the sample(s) was taken or of all products.
2. Further use of the results of this report is prohibited unless allowed under a separate agreement set forth in an official document that is established between the client identified on this letter and the KOTITI Testing & Research Institute.
3. The test result in this report is not related to accreditation of KOLAS.
4. You can verify the authenticity by the QR code at the bottom right side of the issued report, or access <http://cs.kotiti-global.com> and enter the test report number



**Antibacterial Test, %  
(KS K 0693:2016)**

Test Conducted	Test Results
(A)	Klebsiella pneumoniae(ATCC 4352)
Original	
Ma	$1.2 \times 10^5$
Mb	$1.2 \times 10^7$
Mc	$7.0 \times 10^6$
Bacteriostatic Activity Value	0.28
Bacteriostatic Reduction Value(%)	41.7
(B)	Klebsiella pneumoniae(ATCC 4352)
Original	
Ma	$1.2 \times 10^5$
Mb	$1.2 \times 10^7$
Mc	< 20
Bacteriostatic Activity Value	5.8
Bacteriostatic Reduction Value(%)	99.9

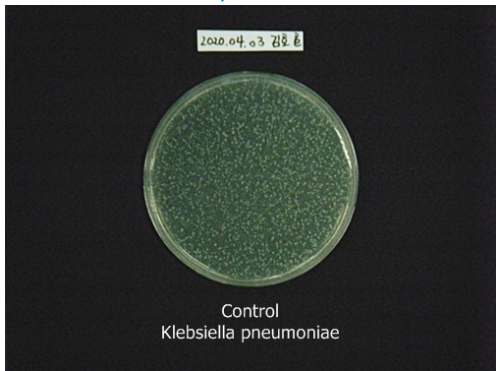
<b>Test Organism</b>	Klebsiella pneumoniae(ATCC 4352)
<b>Washing</b>	N/A / *Test condition: Pour distilled water into the silveray spray and leave it for an hour. And spray at least 10 times to soak the mask submitted by the applicant.
<b>Used non-ionic surfactant</b>	TWEEN 80 (0.05%)
<b>Growth rate</b>	Mb / Ma $\geq$ 31.6
<b>Bacteriostatic Activity Value (S)</b>	Klebsiella pneumoniae : 100.0
<b>Bacteriostatic Reduction Value (%)</b>	$\log Mb - \log Mc$
<b>Ma</b>	$(Mb - Mc) \times 100/Mb$
<b>Mb</b>	CFU of 0 contact time in control
<b>Mc</b>	CFU of 18 hours later in control
	CFU of 18 hours later in sample

(A)

(B)

(A) Contrast Bacteria  
(Klebsiella Pneumoniae)

(B) Contrast Bacteria  
(Klebsiella Pneumoniae)



(A) Klebsiella Pneumoniae

(B) Klebsiella Pneumoniae



- End of Report -

Photo of the submitted sample(s)

