



# TEST REPORT

1. NO : CT18-092506

2. Client

○ Name : Loofen Co.,Ltd.

○ Address : 916-ho, C-dong, 40, Imi-ro, Uiwang-si, Gyeonggi-do, Republic of Korea

Reissuance(R1)

Date : 2018.12.10



3. Date of Test : 2018.08.24 ~ 2018.10.24

4. Use of Report : Quality control

5. Test Sample : Air-decontamination appliance(Potok 150-M-01)

6. Test Method

(1) Client's requirement method

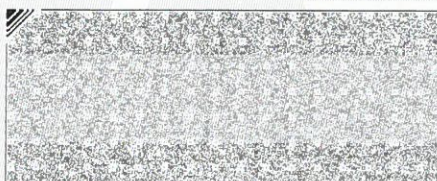
Affirmation	Tested By Name : Kye Seung Chang	 Technical Manager Name : Sang Bok Bae	
Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the qualities of the lot from which the sample was taken or of apparently identical or similar products. The authenticity of this test report can be checked on KCL website(www.kcl.re.kr).			

2018. 10. 24

Korea Conformity Laboratories President Yoon, Kap Seok *Yoon, Kap Seok*

Address : #805, 1' VALLEY Gunpo, 149, Gongdan-ro, Gunpo-si, Gyeonggi-do, 15845, Korea 82-31-389-9100

Result Inquiry : The Center of Green Complex Technologies 82-31-389-9184





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## 7. Test Results

Test Items		Test method	Test Results			Testing Environment
			Before operating Conc.(CFU/m <sup>3</sup> )	After operating Conc.(CFU/m <sup>3</sup> )	Reduction rate of bacteria(%)	
Reduction test for Airborne microbes ( <i>Escherichia coli</i> )	Air-decontamination appliance (Potok 150-M-01)	Client's requirement method	1.1 × 10 <sup>4</sup>	< 10	99.9	(23.2 ± 0.2) °C (50.3 ± 2.0) % RH

※ CFU : Colony Forming Unit

※ Test strain : *Escherichia coli* ATCC 25922

※ Chamber size : 8 m<sup>3</sup>

※ Measurement equipment : MAS-100 NT (MERCK, Flow rate : 100 L/min)

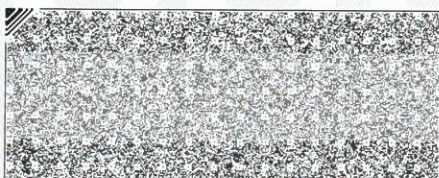
※ Sample : Air-decontamination appliance(Potok 150-M-01)

※ Operating time : 3 hours

※ Result concentration : Feller Conversion Table application

※ Client's requirement method : After injecting a constant concentration of target bacteria inside the test chamber and operating the sample for 3 hours, measure the reduction rate of bacteria.

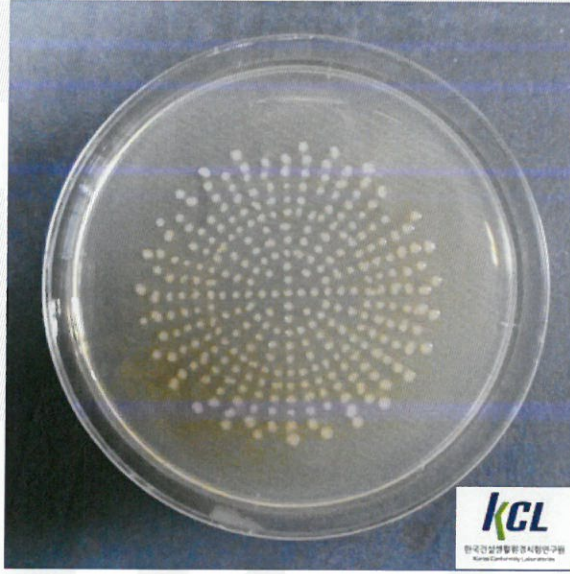
※ Chamber environment and sampling method : KS I 2008:2013 Mod.



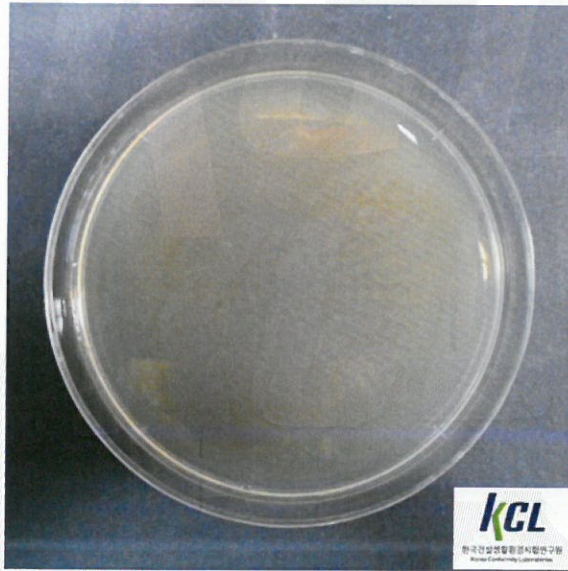


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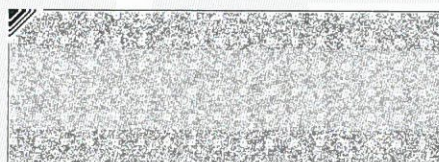
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<Picture 1. *Escherichia coli* - BLANK (0 h)>



<Picture 2. *Escherichia coli* - Air-decontamination appliance  
(Potok 150-M-01) (3 h)>





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<Picture 3. Sample[Air-decontamination appliance(Potok 150-M-01)]>

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

