



TEST REPORT

1. NO : CT18-135373

2. Client

○ Name : LUFTT KOREA INC.

○ Address : 1309, 13F, TERATOWER Tower B, 167, Songpa-daero, Songpa-gu, Seoul, Korea

3. Date of Test : 2018.12.17 ~ 2019.01.29

4. Use of Report : Quality Control

5. Test Sample : LUFTT LHC105 + Car HVAC

6. Test Method

(1) Client's requirement method

Reissuance(R1)
Date : 2020.02.17

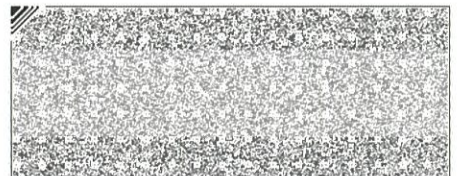
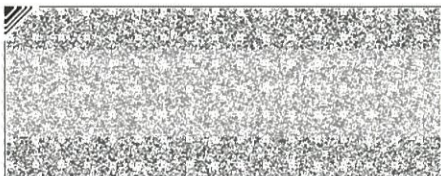
Affirmation	Tested By Name : Kye Seung Chang	JKS	Technical Manager Name : Kang Byung Chul	<i>B.C. Kang</i>
Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the 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).				

2019.01.29

Korea Conformity Laboratories President *Yoon, Kap Seok*

Address : 15845 #805, I Valley, 149, Gongdan-ro, Gunpo-si, Gyeonggi-do, Korea 82-31-389-9100

Result Inquiry : Green Materials Center 82-31-389-9184



TEST REPORT

No : CT18-135373E

7. Test Results

Test Items		Test method	Test Results			Testing Environment
			Before operating Conc.(CFU/m ³)	After operating Conc.(CFU/m ³)	Reduction rate of bacteria(%)	
Reduction test for Airborne microbes (<i>Aspergillus brasiliensis</i>)	LUFTT LHC105 + Car HVAC	Client's requirement method	1.0 × 10 ⁴	< 10	99.9	(23.0 ± 0.2) °C (50.0 ± 2.0) %RH

※ CFU : Colony Forming Unit

※ Test strain : *Aspergillus brasiliensis* ATCC 9642

※ Chamber size : 8 m³

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

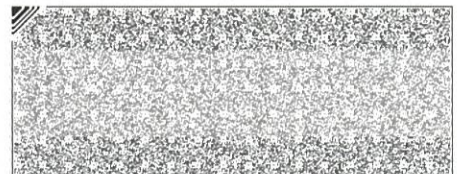
※ Sample : LUFTT LHC105 + Car HVAC

※ Operating time : 30 minutes

※ Result concentration : Feller Conversion Table application

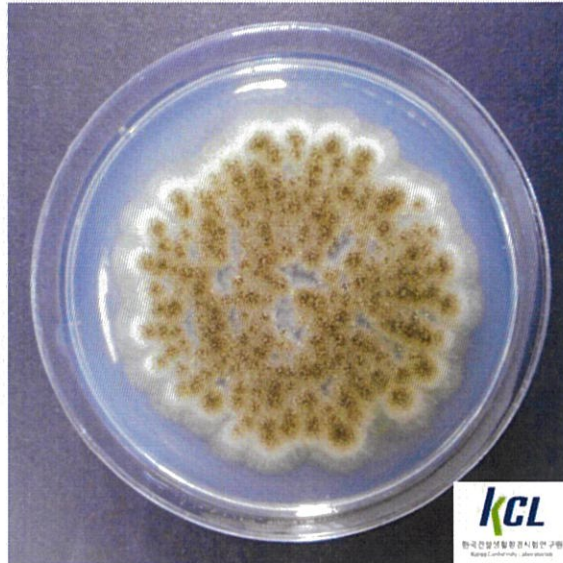
※ Client's requirement method : After injecting a constant concentration of target test strain inside the test chamber and operating the sample for 30 minutes, measure the reduction rate of airborne fungi

※ Chamber environment and sampling method : ISO 16000-36:2018 Mod.

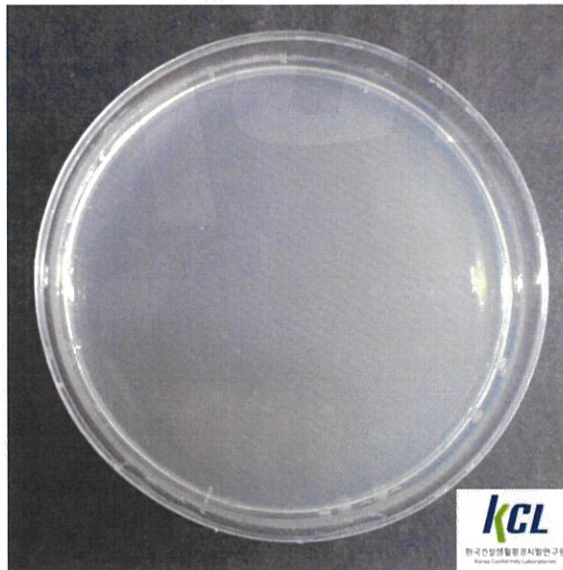


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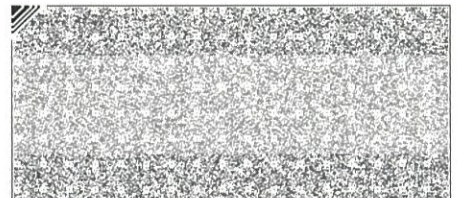
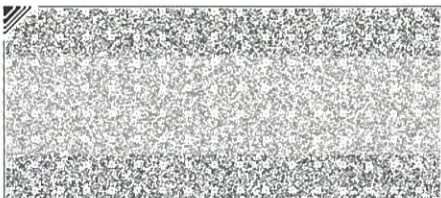
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<Picture 1. *Aspergillus brasiliensis* - BLANK (0 h)>



<Picture 2. *Aspergillus brasiliensis* - LUFTT LHC105 + Car HVAC (30 mins)>



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<Picture 3. Sample[LUFTT LHC105 + Car HVAC]>

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

