

## Test report

Request No. : KATRM210218-004 Request date : 2021. 02. 18  
Report No. : KAAAM210311-007 Issue date : 2021. 03. 11  
Company : Airfree Produtos Electronicos, S. A Purpose of use : Quality control  
Address : Rua Julieta Ferrao, Torre 10, Piso 9 A, 1600-131-Portugal  
Person : Joice Prince  
Submit company :  
Name of sample : P-80

Test item	Test result	
	Control	Sample
Custom solution test		
<i>Pseudomonas aeruginosa</i> Number of bacteria after 30 mins (CFU)	4078	<10
ATCC 10145 Bacterial reduction rate (%)		99.9

※ Test environment: chamber (36\*25\*25cm, W×D×H), 24.6°C, relative humidity 46%

※ Bacterial reduction rate (%) = (Control CFU - Sample CFU) / (Control CFU) X 100 (%)

※ Bacterial preparation: After collecting sand from a river, heat is applied to remove water from the sand. A 250 μm standard sieve was used to separate the dried sand with a particle size of 250 μm or less. Sterilizing the separated sand, and the bacterial solution pre-cultured according to the method of KS K 0693 was added evenly to bacterial concentration becomes 1.0-10.0 X 10<sup>4</sup> CFU/g. After that, spread 10 g of sand evenly on the bottom of the chamber and install a fan, and the sand carried by wind to floated in chamber.

※ Test method: After connecting the power to the device provided by the company to the chamber, the device was operated under the conditions suggested by the company. After 3 hours of pre-operation and 30 minutes of operation, the device was recovered and the number of falling bacteria inside the chamber was measured. Control was the number of falling bacteria detected before starting the device.



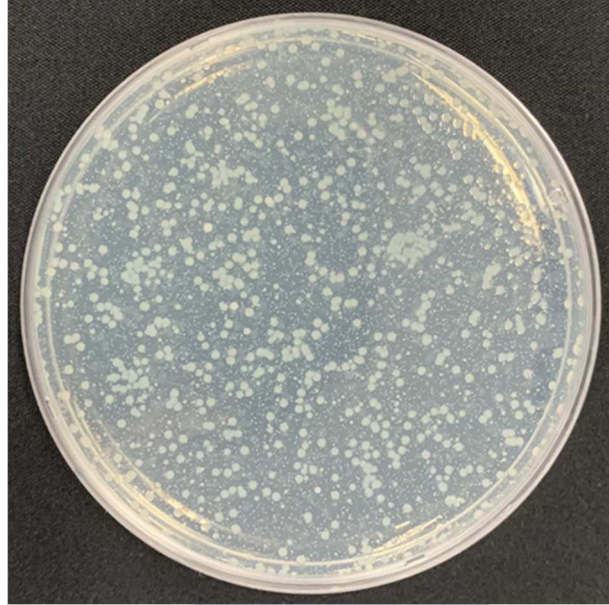
**Korea Analysis Test Researcher**



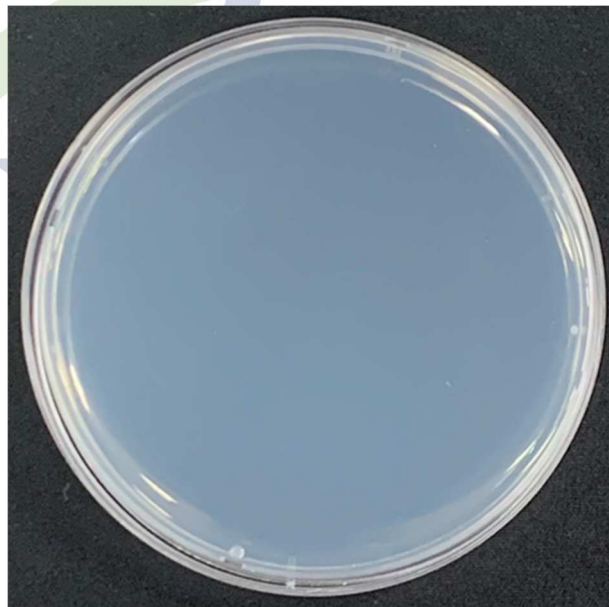
Remark 1. This report is the result of test conducted by company's samples only. It does not guarantee the quality of all products.  
2. This report cannot be used for advertisement, campaign, and legal purpose without KATR's permission. Do not use for any other purposes.

- Result picture -

ATCC 10145



< Control >



< Sample >

Remark 1. This report is the result of test conducted by company's samples only. It does not guarantee the quality of all products.  
2. This report cannot be used for advertisement, campaign, and legal purpose without KATR's permission. Do not use for any other purposes.

- Sample picture -



< P-80 >

Remark 1. This report is the result of test conducted by company's samples only. It does not guarantee the quality of all products.  
2. This report cannot be used for advertisement, campaign, and legal purpose without KATR's permission. Do not use for any other purposes.