

Test Report

Test Method : JIS Z 2801:2010

Report No. : KAAAM220114-021

Request No. : KATRM220103-0012

Date of Test : 2022. 01. 03 ~ 2022. 01. 14 Location of Test : A-219,220, 140 Tongil-ro, Goyang-si, Gyeonggi-do, Republic of Korea

Company : DSP Co., Ltd.

■ Permanent Testing Lab □ On site Testing

Address : 439-24, Jangjae-ro, Saengnim-myeon, Gimhae-si, Gyeongsangnam-do, Korea

Purpose of use : Quality control

Submit to : -

Test Items : INOXTEEL photocatalyst coating

- Test result

Test Organism ATCC No.	Test result(Unit)	Control	Sample
<i>Staphylococcus aureus</i> ATCC 6538	After 24 hrs(CFU/cm ²) Antibacterial activity(log)	5.6 X 10 ³ -	< 0.63 3.9
<i>Escherichia coli</i> ATCC 8739	After 24 hrs(CFU/cm ²) Antibacterial activity(log)	3.7 X 10 ⁵ -	2.7 X 10 ³ 2.1

Sample info. : Material - STS304+PosMAC Size - (50 X 50) mm

Covering film : Sterilized PP film Size - (40 X 40) mm

Test condition : Reaction time & temperature- 24 hrs, (30 ± 2) °C

Control - Sterilized PP film

Evaluation : Antibacterial activity(log) = logC_t - logS_t(C_t = CFU of control after the specified contact time, S_t = CFU of sample after the specified contact time)

: Antibacterial activity 1.0 : 90.0% reduction Antibacterial activity 2.0 : 99.0% reduction

Antibacterial activity 3.0 : 99.9% reduction Antibacterial activity 4.0 : 99.99% reduction

Antibacterial activity 5.0 : 99.999% reduction

The antibacterial activity shall be 2.0 or more

- Remarks
1. The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This laboratory is not accredited for the test results marked.
 2. This report is valid only for the purpose of use and cannot be used as a basis for product promotion, marketing, or legal judgment.
 3. For confirmation of the authenticity of the test report, please contact 02-6380-1855

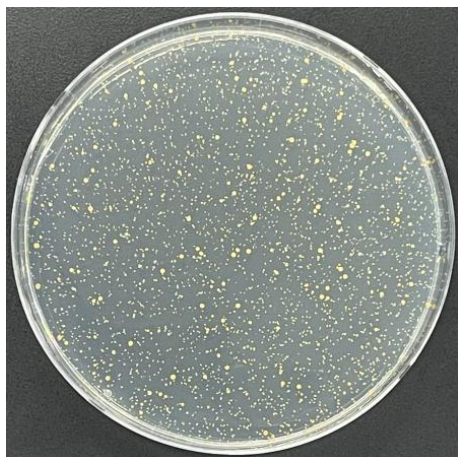
2022. 01. 14.

Korea Analysis Test Researcher



- Result picture

ATCC 6538

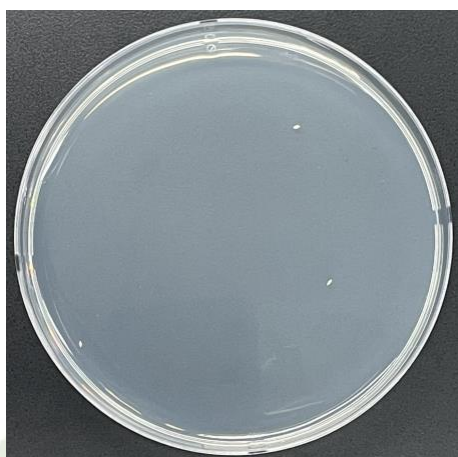


< Control >

ATCC 8739



< Control >



< Sample >



< Sample >

- Sample picture



< INOXTEEL photocatalyst coating >

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