

Test Report

Test Method : JIS Z 2801:2010

Report No. : KAAAM211029-002

Request No. : KATRM211013-1567

Date of Test : 2021. 10. 13 ~ 2021. 10. 29

Location of Test : A-219,220, 140 Tongil-ro, Goyang-si, Gyeonggi-do, Republic of Korea

Company : SEIWA INDUSTRY

■ Permanent Testing Lab □ On site Testing

Address : 2-4-29, TATSUMI-NISHI, IKUNO-KU, OSAKA, JAPAN

Purpose of use : Quality control

Submit to : -

Test Items : Seiwa Antibacterial Elastomer Sheet_A

- 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) | 1.4 X 10 ⁴ - | <0.63 4.4 |

Sample info. : Material - Silicone Size - (50 X 50) mm

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

Test condition : Reaction time & temperature- 24 hrs, (37 ± 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. This test report is not related to KOLAS accreditation and ISO/IEC 17025.
 4. For confirmation of the authenticity of the test report, please contact 02-6380-1855

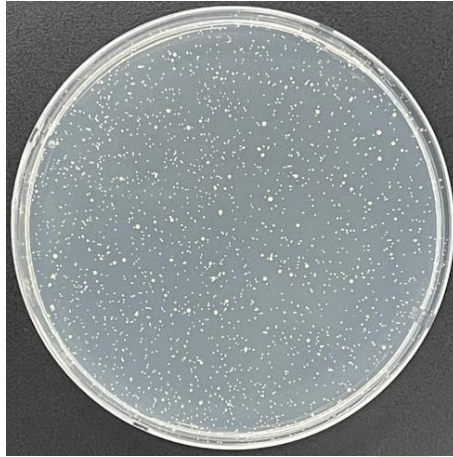
2021. 10. 29.

Korea Analysis Test Researcher

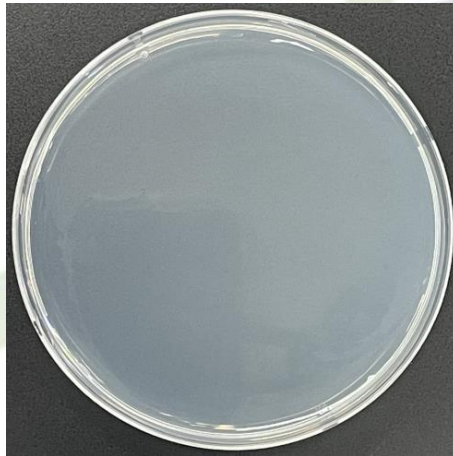


- **Result picture**

ATCC 6538



< Control >



< Sample >

- **Sample picture**



< Seiwa Antibacterial Elastomer Sheet_A >

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