

# Test Report

**Test Method** : JIS Z 2801:2010**Report No.** : KATRM221118-1115(1)**Request No.** : KATRM221118-1115**Location of Test** : A-219, 220, 140, Tongil-ro, Deogyang-gu, Goyang-si, Gyeonggi-do, Republic of Korea

■ Permanent Testing Lab □ On site Testing

**Company** : SEIWA INDUSTRY**Date of Test** : Nov. 18, 2022 ~ Dec. 06, 2022**Address** : 2-4-29, TATSUMI-NISHI, IKUNO-KU, OSAKA, JAPAN**Purpose of use** : Account Submission**Submit to** : -**Test Items** : Seiwa Antibacterial Elastomer Sheet-BLACK**- Test Result**

Test Organism	Test Result (Unit)	Control	Sample
<i>Staphylococcus aureus</i>	After 24 hr (CFU/cm <sup>2</sup> )	2.1 X 10 <sup>4</sup>	< 0.63
ATCC 6538	Antibacterial activity (log)	-	4.5

Test method : #Material - TPE Size - (50 X 50) mm

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

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

Control - Sterilized PP film

Evaluation : Percent Reduction (%) =  $\{(C_t - S_t)/C_t\} \times 100$ (C<sub>t</sub> = CFU of control after the specified contact time, S<sub>t</sub> = 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

# : The data was provided by the client

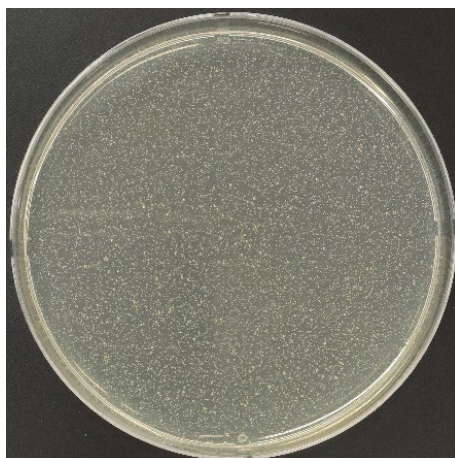
- Remarks
1. The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This laboratory is not accredited for the test results marked.
  2. This report is valid only for the purpose of use and cannot be used as a basis for product promotion, marketing, or legal judgment.
  3. For confirmation of the authenticity of the test report, please contact 82-2-6380-1855.

December 06, 2022

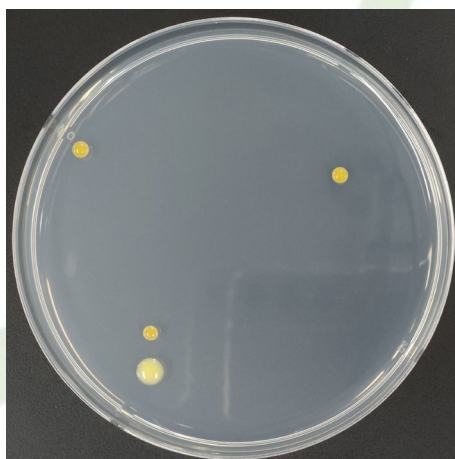
**Korea Analysis Test Researcher**

- Result Picture

ATCC 6538



< Control >



< Sample >

- Sample Picture



＜ Seiwa Antibacterial Elastomer Sheet-BLACK ＞

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