

# Quality Test Report

**ORIGINAL**

Test Report No. 20219067944-1 (Page 1 of 2)

Applicant: Polygiene AB

April 27, 2020

Test results to submitted sample are as follows.

**BOKEN QUALITY EVALUATION INSTITUTE**

Reception Date : March 19, 2020

**BOKEN**

Osaka Functional Textile  
Testing Center

Item Name : 10130/1/1/62L035-1

1-6-24 Chikko, Minato-ku, Osaka-shi,  
Osaka 552-0021, Japan

(Polygiene Treated Samples)

TEL.+81-6-6577-0200/FAX.+81-6-6577-0210

Number of Item : 3

Test Item : The test of the antiviral efficacy

Test Method : ISO18184 : 2019 Textiles - Determination of antiviral activity of textile products

Infective titre measurement : Plaque assay

Washing Method : "Washing method of textile products with SEK mark" specified by Japan Textile  
Evaluation Technology Council - Standard washing method

Test virus : Influenza A virus (H3N2) : ATCC VR-1679

Test Result :

| Test sample  |                               | The common logarithm average of infectivity titer value |      | The antiviral activity value<br>$\lg(Va) - \lg(Vc)$ |
|--|-------------------------------|---|------|---|
| Standard cloth   | Immediately after inoculation | $\lg(Va)$   | 6.58 | —————   |
|  | After 2h                      | $\lg(Vb)$   | 5.91 | —————   |
| 10130/1/1/62L035-1<br>(Polygiene Treated Samples) (original) |                               | $\lg(Vc)$   | 2.40 | 4.2   |
| " (after fifteen wash)                                       |                               | $\lg(Vc)$   | 3.22 | 3.4   |
| " (after thirty wash)  |                               | $\lg(Vc)$   | 3.86 | 2.7   |

Notice - This test result is applied to the submitted sample, not to the lot.  
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Test Result :

| Verification of this test |  | Test sample                      | Test result       | Verification |
|---------------------------|--|----------------------------------|-------------------|--------------|
| Test item                 | Criterion value  |                                  |                   |              |
| a                         | The virus infective titer of inoculated concentration for the test (PFU/mL)      | —————                            | $1.6 \times 10^7$ | Pass         |
| b                         | Verification of cytotoxic effect   | 10130/1/1/62L035-1<br>(original) | No damage         | Pass         |
|                           |  | "<br>(after fifteen wash)        | No damage         | Pass         |
|                           |  | "<br>(after thirty wash)         | No damage         | Pass         |
|                           | Verification of cell sensitivity to virus and inactivation of antiviral activity | 10130/1/1/62L035-1<br>(original) | 0.2               | Pass         |
|                           |  | "<br>(after fifteen wash)        | 0.1               | Pass         |
|                           |  | "<br>(after thirty wash)         | 0.2               | Pass         |
| c                         | Logarithm reduction value of infective titer of control specimen                 | —————                            | 0.7               | Pass         |

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Supervised by *Yoshihiko Inuomaki*

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