

# TEST REPORT

## SUPERLAB TESTING CENTER

**CUSTOMER**

**MOISTURE 22 CO., LTD.**

No. 10, Ln. 231, Sec. 1, Nankan Rd., Luzhu Dist., Taoyuan City 338, Taiwan (R.O.C.)

Sample name : FLD-05 Disinfectant/0.5 liters

Manufacturer : MOISTURE 22 CO., LTD.

Manufacture Date : -

Lot number : -

Sample Condition : Room Temperature

Sample delivering : By applicant

Contact Person : Miss Yu

Phone Number : (03)322-5829#318

Sample expiry Date : -

Country of origin : Taiwan

Test sample packaging : as Appendix

Number of Samples : 1 Piece

Report purpose : For Export -  
Research and development R&D

----- The sample information provided above was confirmed by the customer -----

Sample Received : 2020/03/18

Date of Testing : 2020/03/20

Date of Report : 2020/04/08

| Item (s)   | Result (s) | Unit | Method   | LOQ / LOD |
|--|------------|------|--|-----------|
| Bactericidal Activities :<br><i>Streptococcus pneumoniae</i> | >99.99     | %    | 1. Refer to Japanese Industrial Standard (JIS) Z 2801 (2012) Antibacterial products - Test for antibacterial activity and efficacy. 2. Russel A. D., Hugo W. B., Ayliffe G. A. J. 2004. Principles and Practice of Disinfection, Preservation and Sterilization. Fourth Edition. Malden, MA : Blackwell Science. Chapter 7, p.223 ~ p.228. | —         |
| Bactericidal Activities :<br><i>Legionella pneumophila</i>   | >99.99     | %    | 1. Refer to Japanese Industrial Standard (JIS) Z 2801 (2012) Antibacterial products - Test for antibacterial activity and efficacy. 2. Russel A. D., Hugo W. B., Ayliffe G. A. J. 2004. Principles and Practice of Disinfection, Preservation and Sterilization. Fourth Edition. Malden, MA : Blackwell Science. Chapter 7, p.223 ~ p.228. | —         |

----- Null below -----

Remark (s) :

- This report is used only for providing the testing results of commissioned items, not for determining the legality of the product.
- Bactericidal Activities: Please see the test appendix for detailed inspection results.
- Please note if the tests do not involve sampling, then the test report is only responsible for the test sample provided by the customer. And the report is invalid if not presented in full and for reference only; it shall not be used for advertising, sales promotions, or notarial purposes. Also, when the target is below the limit of detection (LOD) or the limit of quantification (LOQ), the test results will be expressed as "Negative" or "ND" (Not detected).

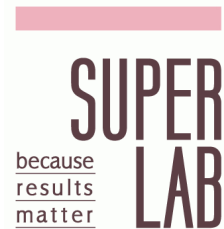


*Yueh-ting Tsai*

Yueh-ting Tsai, Ph. D.  
Approval Signatory



Report NO. : M61-200300907EN



# TEST REPORT SUPERLAB TESTING CENTER

**CUSTOMER**

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No. 10, Ln. 231, Sec. 1, Nankan Rd., Luzhu Dist., Taoyuan City 338, Taiwan (R.O.C.)

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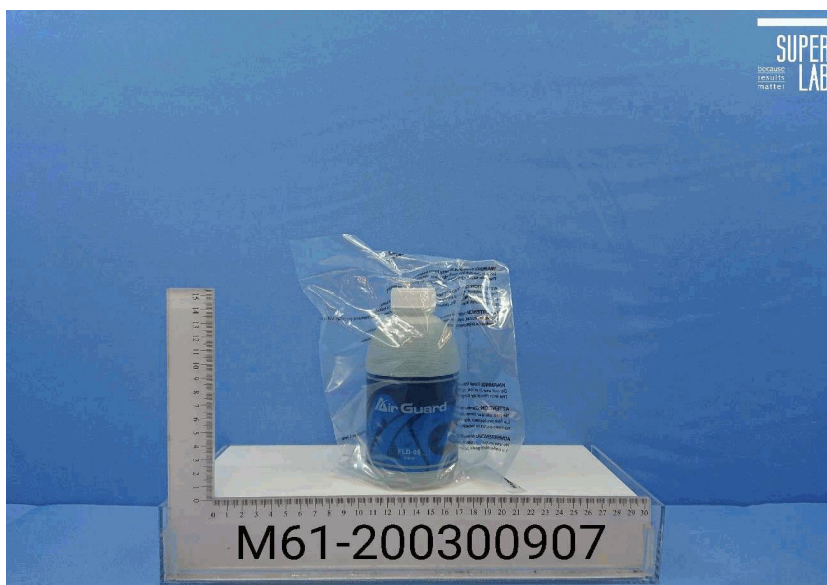
Sample name : FLD-05 Disinfectant/0.5 liters

Sample Condition : Room Temperature

Sample Received : 2020/03/18

Date of Testing : 2020/03/20

Date of Report : 2020/04/08



Z000-00



連結至台美安全家



*Yueh-ting Tsai*

Yueh-ting Tsai, Ph. D.  
Approval Signatory

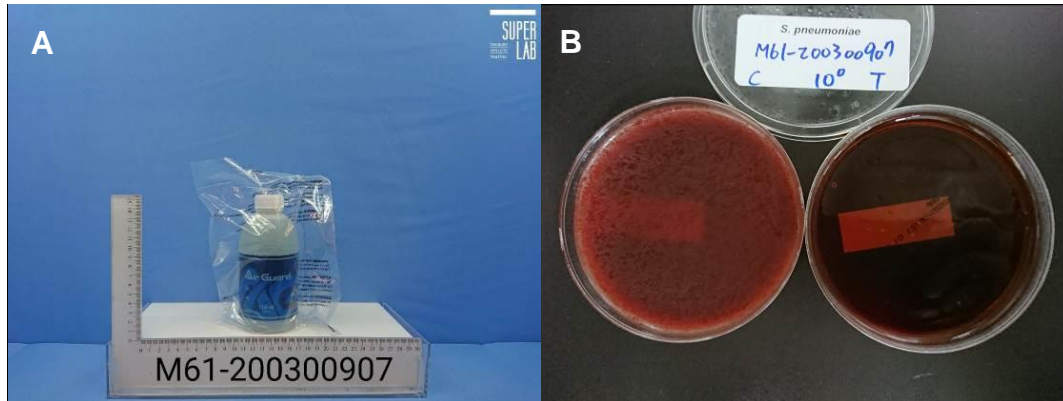
## Appendix

1. Specimen information:
  - 1.1 Client Specimen I.D: "FLD-05 Disinfectant/0.5 liters"
  - 1.2 Specimen I.D: M61-200300907
2. Test method:
  - 2.1 Test strains: *Streptococcus pneumoniae*, ATCC 6301.
  - 2.2 Test condition: 25 ± 2°C for 30 minutes.
  - 2.3 Culture condition: 35 ± 2°C for 48 ± 2 hours.
  - 2.4 Reference:
    - 2.4.1 Refer to JIS Z2801:2012.
    - 2.4.2 Russel A. D., Hugo W. B., Ayliffe G. A. J. 2004. Principles and Practice of Disinfection, Preservation and Sterilization. Fourth Edition. Malden, MA : Blackwell Science. Chapter 7, p.223 ~ p.228.
  - 2.5 Grouping:
    - 2.5.1 Test group: FLD-05 Disinfectant/0.5 liters.
    - 2.5.2 Control group: 0.85% sterile saline.
  - 2.6 Prepare the suspension of test bacteria, and the concentration was around 10<sup>7</sup> CFU/mL.
  - 2.7 Add 0.1 mL of bacteria suspension into 10 mL test and control group.
  - 2.8 Incubated test and control group at 25 ± 2°C for 30 minutes.
  - 2.9 The test group and control group were conducted for 10-fold serial dilution with sterile saline.
  - 2.10 After serial dilution, each group were inoculated on appropriate medium. The medium were cultured under the test condition. The growths were observed and colony counts were recorded.
  - 2.11 Calculation:

$$\text{Reduction rate (\%)} = \frac{(\text{Control group} - \text{Test group})}{\text{Control group}} \times 100\%$$

## Appendix

### 3. Result:



**Figure 1. Result of test article (M61-200300907) against *Streptococcus pneumoniae* for 30 minutes.**

A. Test article.

B. Result of Control group and Test group against *Streptococcus pneumoniae* for 30 minutes.

**Table 1. Result of test group (M61-200300907) against *Streptococcus pneumoniae* for 30 minutes.**

| Test strain          | Inoculated concentration (CFU/mL) | The residual amount of bacteria (CFU/mL) |            | Rate (%) |
|----------------------|-----------------------------------|--|------------|----------|
|                      |                                   | Control group                            | Test group |          |
| <i>S. pneumoniae</i> | $6.4 \times 10^5$                 | $6.6 \times 10^5$                        | <5         | >99.99   |