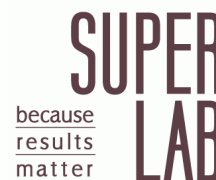




Report NO. : M61-201101323EN



TEST REPORT

SUPERLAB TESTING CENTER

CUSTOMER

Houchi Chemical Co., Ltd.

1F, No. 56, Foo Chow St., Taipei 10077, Taiwan

Page 1 of 3

Sample name : Doxmed V-26

Manufacturer : Houchi Chemical Co., Ltd.

Manufacture Date : -

Lot number : -

Sample Condition : Room Temperature

Sample delivering : By applicant

Contact Person : Allen Yu

Phone Number : (02)2332-8001

Sample expiry Date : -

Country of origin : Taiwan

Test sample packaging : Loose Packaging

Number of Samples : 39g

Report purpose : For Export, Self-Management,
Retail sale

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

Sample Received : 2020/11/20

Date of Testing : 2020/11/24

Date of Report : 2020/12/08

Item (s)	Result (s)	Unit	Method	LOQ / LOD
Bactericidal Activities : <i>Escherichia coli</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) :

- All inspection contents in this inspection report are inspected according to the entrusted items. If there is any falsehood, we are willing to take full responsibility.
- 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).

Z000-00



連結至台美安全家

This report is used only for providing the testing results of commissioned items, not for determining the legality of the product.



Yueh-ting Tsai

Yueh-ting Tsai, Ph. D.
Approval Signatory



Report NO. : M61-201101323EN



TEST REPORT SUPERLAB TESTING CENTER

CUSTOMER

Houchi Chemical Co., Ltd.

1F, No. 56, Foo Chow St., Taipei 10077, Taiwan

Page 2 of 3

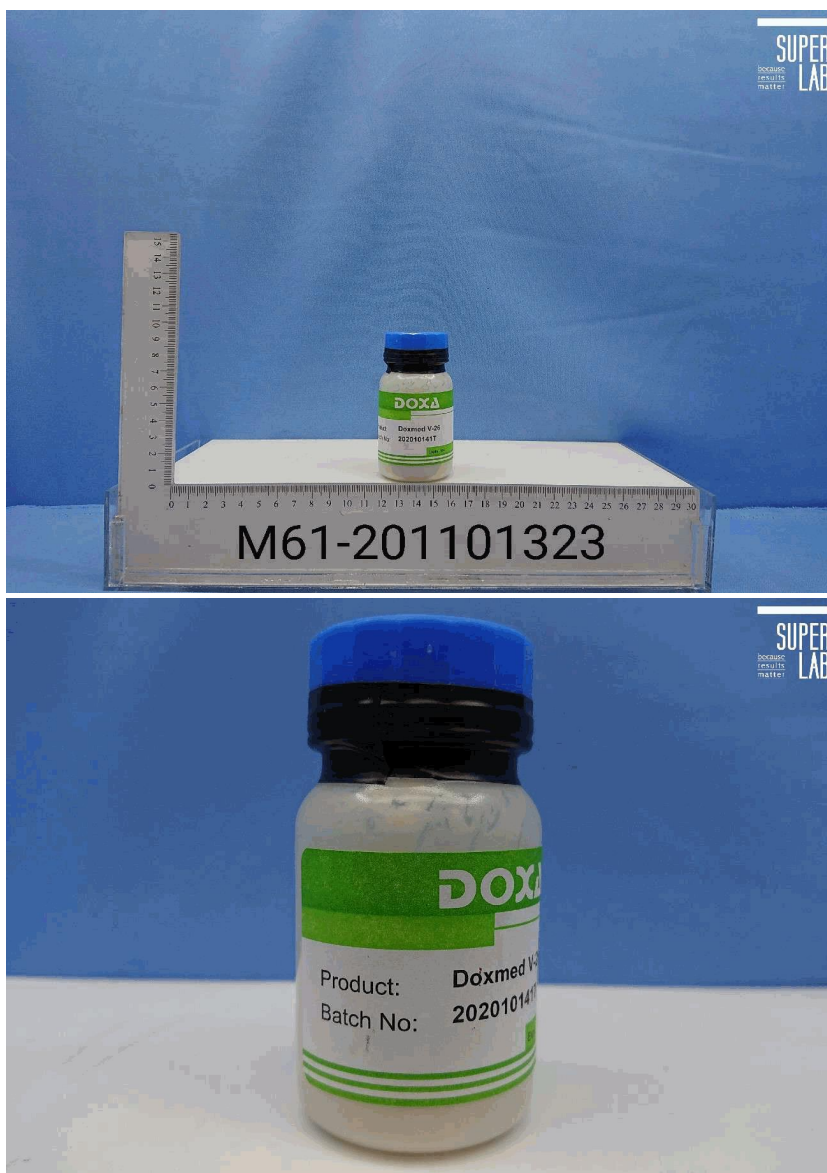
Sample name : Doxmed V-26

Sample Condition : Room Temperature

Sample Received : 2020/11/20

Date of Testing : 2020/11/24

Date of Report : 2020/12/08



Z000-00



連結至台美安全家



Yueh-ting Tsai

Yueh-ting Tsai, Ph. D.
Approval Signatory



Report NO. : M61-201101323EN



TEST REPORT SUPERLAB TESTING CENTER

CUSTOMER

Houchi Chemical Co., Ltd.

1F, No. 56, Foo Chow St., Taipei 10077, Taiwan

Page 3 of 3

Sample name : Doxmed V-26

Sample Condition : Room Temperature

Sample Received : 2020/11/20

Date of Testing : 2020/11/24

Date of Report : 2020/12/08



Z000-00



連結至台美安全家



Yueh-ting Tsai

Yueh-ting Tsai, Ph. D.
Approval Signatory

Appendix

1. Specimen I.D: M61-201101323
2. Test method:
 - 2.1 Test strains: *Escherichia coli*, ATCC 8739.
 - 2.2 Test condition: $25 \pm 2^{\circ}\text{C}$ for 30 minutes.
 - 2.3 Culture condition: $35 \pm 2^{\circ}\text{C}$ 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: Test substances provided by customers.
 - 2.5.2 Control group: 0.85% sterile saline.
 - 2.6 Prepare the suspension of test bacteria, and the concentration was around 10^7 CFU/mL.
 - 2.7 The test group and control group were shaken manually, and then ultrasonicated for 1 minute.
 - 2.8 Add 0.1 mL of bacteria suspension into 10 mL test and control group.
 - 2.9 Incubated test and control group at $25 \pm 2^{\circ}\text{C}$ for 30 minutes.
 - 2.10 The test group and control group were conducted for 10-fold serial dilution with sterile saline.
 - 2.11 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.
 - 2.12 Calculation:

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

Appendix

3. Result:

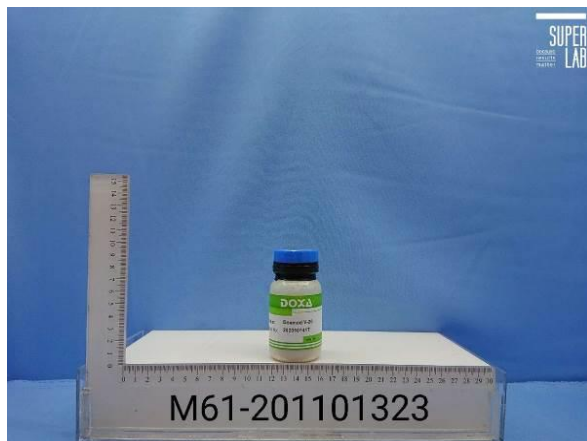


Figure 1: Test article.



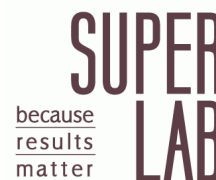
Figure 2: Result of control group and test group against *E. coli* for 30 minutes.

Table 1. Result of test group (M61-201101323) against *E. coli* for 30 minutes.

Test strain	Inoculated concentration (CFU/mL)	The residual amount of bacteria (CFU/mL)		Rate (%)
		Control group	Test group	
<i>E. coli</i>	2.8×10^5	3.1×10^5	<5	>99.99



Report NO. : M61-201101324EN



TEST REPORT

SUPERLAB TESTING CENTER

CUSTOMER

Houchi Chemical Co., Ltd.

1F, No. 56, Foo Chow St., Taipei 10077, Taiwan

Page 1 of 3

Sample name : Doxmed V-26

Manufacturer : Houchi Chemical Co., Ltd.

Manufacture Date : -

Lot number : -

Sample Condition : Room Temperature

Sample delivering : By applicant

Contact Person : Allen Yu

Phone Number : (02)2332-8001

Sample expiry Date : -

Country of origin : Taiwan

Test sample packaging : Loose Packaging

Number of Samples : 39g

Report purpose : For Export, Self-Management,
Retail sale

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

Sample Received : 2020/11/20

Date of Testing : 2020/11/24

Date of Report : 2020/12/08

Item (s)	Result (s)	Unit	Method	LOQ / LOD
Bactericidal Activities : <i>Staphylococcus aureus</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) :

- All inspection contents in this inspection report are inspected according to the entrusted items. If there is any falsehood, we are willing to take full responsibility.
- 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).

Z000-00



連結至台美安全家

This report is used only for providing the testing results of commissioned items, not for determining the legality of the product.



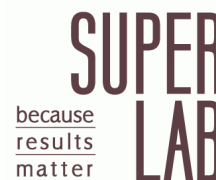
Yueh-ting Tsai

Yueh-ting Tsai, Ph. D.
Approval Signatory



Report NO. : M61-201101324EN

TEST REPORT SUPERLAB TESTING CENTER



CUSTOMER

Houchi Chemical Co., Ltd.

1F, No. 56, Foo Chow St., Taipei 10077, Taiwan

Page 2 of 3

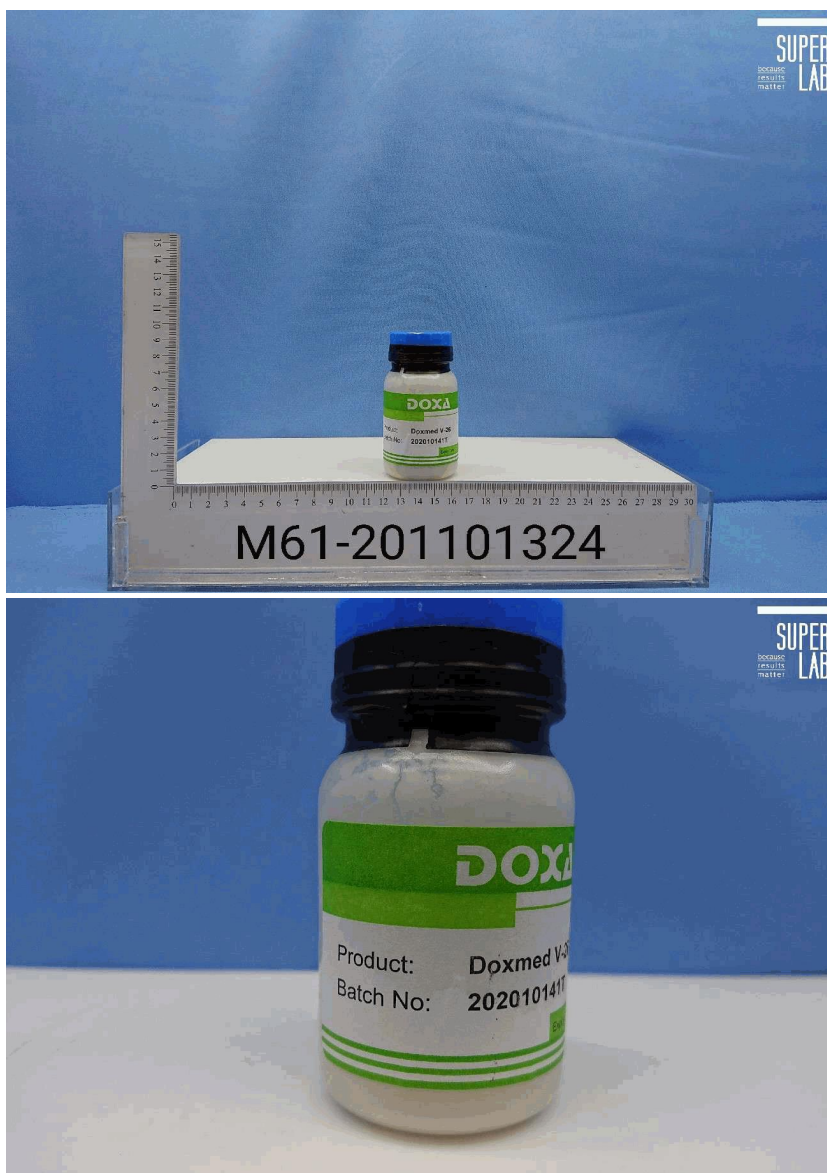
Sample name : Doxmed V-26

Sample Condition : Room Temperature

Sample Received : 2020/11/20

Date of Testing : 2020/11/24

Date of Report : 2020/12/08



Z000-00



連結至台美安全家



Yueh-ting Tsai

Yueh-ting Tsai, Ph. D.
Approval Signatory



Report NO. : M61-201101324EN

TEST REPORT SUPERLAB TESTING CENTER



CUSTOMER

Houchi Chemical Co., Ltd.

1F, No. 56, Foo Chow St., Taipei 10077, Taiwan

Page 3 of 3

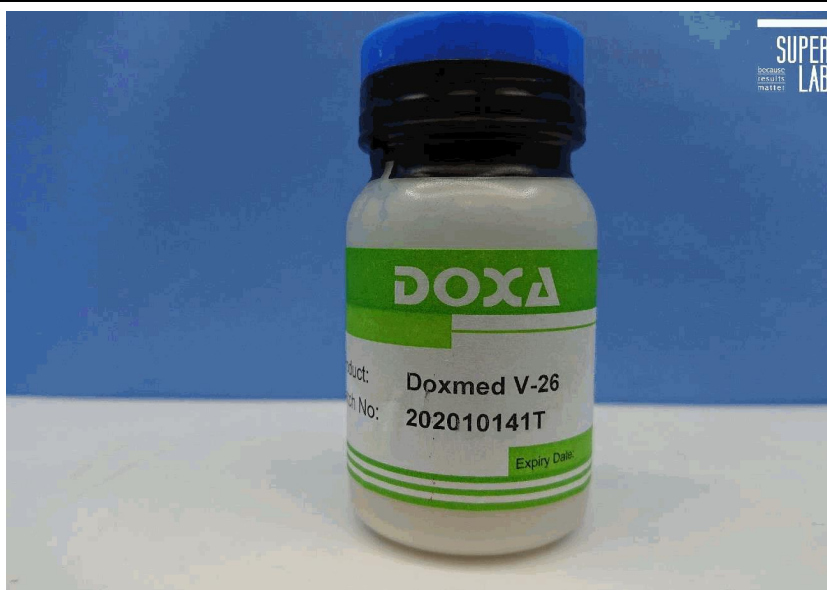
Sample name : Doxmed V-26

Sample Condition : Room Temperature

Sample Received : 2020/11/20

Date of Testing : 2020/11/24

Date of Report : 2020/12/08



Z000-00



連結至台美安全家



Yueh-ting Tsai

Yueh-ting Tsai, Ph. D.
Approval Signatory



Appendix

1. Specimen I.D: M61-201101324
2. Test method:
 - 2.1 Test strains: *Staphylococcus aureus*, ATCC 6538P.
 - 2.2 Test condition: $25 \pm 2^{\circ}\text{C}$ for 30 minutes.
 - 2.3 Culture condition: $35 \pm 2^{\circ}\text{C}$ 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: Test substances provided by customers.
 - 2.5.2 Control group: 0.85% sterile saline.
 - 2.6 Prepare the suspension of test bacteria, and the concentration was around 10^7 CFU/mL.
 - 2.7 The test group and control group were shaken manually, and then ultrasonicated for 1 minute.
 - 2.8 Add 0.1 mL of bacteria suspension into 10 mL test and control group.
 - 2.9 Incubated test and control group at $25 \pm 2^{\circ}\text{C}$ for 30 minutes.
 - 2.10 The test group and control group were conducted for 10-fold serial dilution with sterile saline.
 - 2.11 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.
 - 2.12 Calculation:

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

Appendix

3. Result:

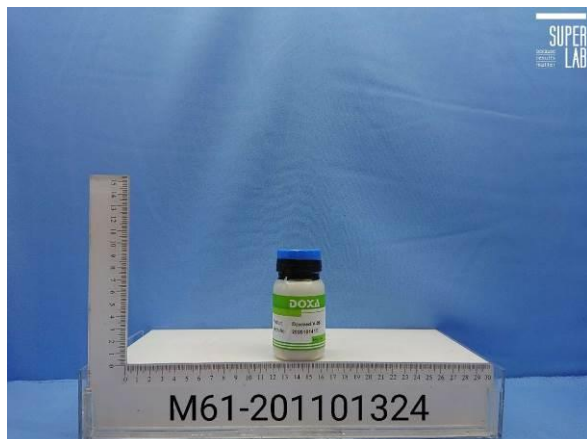


Figure 1: Test article.



Figure 2: Result of control group and test group against *S. aureus* for 30 minutes.

Table 1. Result of test group (M61-201101324) against *S. aureus* for 30 minutes.

Test strain	Inoculated concentration (CFU/mL)	The residual amount of bacteria (CFU/mL)		Rate (%)
		Control group	Test group	
<i>S. aureus</i>	5.8×10^5	4.6×10^5	<5	>99.99