



# TEST REPORT

Report No.: SHC20070824-01AE

Date: 2020-08-13

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Applicant : TMD HOLDINGS LLC

Address : 461 MELWOOD AVENUE PITTSBURGH, PA 15213 USA

## Sample Information

Sample Name : WET WIPES

Sample Type/Specification : 160 pumps/barrel

Sample Qty. : 1

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Sample No. : C20070824-01

Date of Sample Received : 2020-07-22

Sample Test Period : 2020-07-28~2020-08-12

## Test Content:

Test Item(s) : Assessment of Antimicrobial Activity

Test Method(s) : Refer to ASTM E2315-16 "Standard Guide for Assessment of Antimicrobial Activity Using a Time-Kill Procedure"

Prepared by:

Reviewed by:

Approved by:





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Sample Description: Wipes.

## 1. Assessment of Antimicrobial Activity

**Test Method:** Refer to ASTM E2315-16 "Standard Guide for Assessment of Antimicrobial Activity Using a Time-Kill Procedure"

### Test Conditions:

Dilution concentration: Undiluted

Test concentration: 95% (Volume concentration)

Active ingredient: Benzalkonium chloride and Didecylidimonium chloride

Appearance: Colorless transparent liquid

Test temperature: (25±2)°C

Culture condition: (37±2)°C, 48h

Agar medium: Tryptic Soy Agar

Test bacteria:

*Escherichia coli* (ATCC 10536)

*Pseudomonas aeruginosa* (ATCC 15442)

*Staphylococcus aureus* (ATCC 6538)

*Enterococcus haileyi* (ATCC 10541)

Culture suspension: Add 0.5 mL of culture medium to 9.5 mL sample

### Test Results:

Test organisms	Contact time	Initial suspension (cfu/mL)	Final count (cfu/mL)	Decrease log value	Decrease value (%)
<i>Escherichia coli</i> (ATCC 10536)	30s±5s	2.5×10 <sup>8</sup>	<20	>5.0	>99.999
<i>Pseudomonas aeruginosa</i> (ATCC 15442)		3.5×10 <sup>8</sup>	<20	>5.0	>99.999
<i>Staphylococcus aureus</i> (ATCC 6538)		1.9×10 <sup>8</sup>	<20	>5.0	>99.999
<i>Enterococcus haileyi</i> (ATCC 10541)		2.6×10 <sup>8</sup>	<20	>5.0	>99.999

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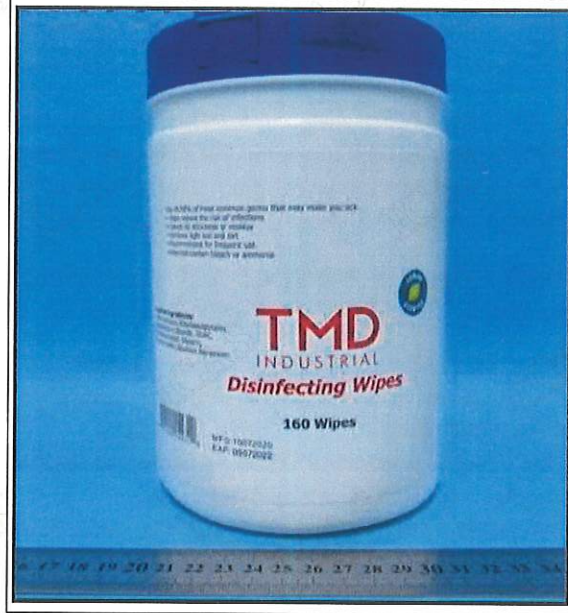
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Sample Photo



This photo is limited to ICAS used this report

\*\*\*End of the report\*\*\*



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