



CMA Testing and Certification Laboratories

廠商會檢定中心

TEST REPORT

Report No : AZ0014880(0) Date: 09 Apr 2020

Application No : LZ005947(3)

Applicant : ABC EPATHWAYS LTD.
UNIT 2503-5, 25/F, 148 ELECTRIC ROAD,
NORTH POINT

Sample Description : One (1) submitted sample stated to be Force of Nature.
Sample Status Upon Receipt : Room Temperature

Sample ID : Force of Nature

Date Received : 18 Mar 2020.

Test Period : 20 Mar 2020 to 30 Mar 2020.

Test Requested : Bactericide Efficacy

Test Method : With reference to GB 15979 - 2002, Appendix C4
Test organism:
Aspergillus brasiliensis (ATCC 16404)
Candida albicans (ATCC 10231)
Escherichia coli (ATCC 8739)
Pseudomonas aeruginosa (ATCC 9027)
Staphylococcus aureus (ATCC 6538)
Salmonella Typhimurium (ATCC 14028)
Time interval: 30 seconds and 60 seconds

Test Result : Refer to the result(s) on page 2 to 3.

Remark : This report supersedes the test report no. AZ0014454(7) issued on 07 Apr 2020.

For and on behalf of
CMA Industrial Development Foundation Limited

Authorized Signature : _____

Choy Oi Lan, Ellen
Assistant Manager

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Test Result :

Reaction time of sample and culture inoculums: 30 seconds

| Test Organism | Result | | |
|---|---|---|---|
| | A: Viable Bacterial Count of Initial concentration (CFU/mL) | B: Viable Bacterial Count of test sample (CFU/mL) | C: Bactericide Efficacy (%) = (A-B)/A x 100% |
| <i>Aspergillus brasiliensis</i> (ATCC 16404) | 4.0×10^4 | $<1.0 \times 10^0$ | $>99.99\%$ |
| <i>Candida albicans</i> (ATCC 10231) | 3.0×10^4 | $<1.0 \times 10^0$ | $>99.99\%$ |
| <i>Escherichia coli</i> (ATCC 8739) | 1.1×10^4 | $<1.0 \times 10^0$ | $>99.99\%$ |
| <i>Pseudomonas aeruginosa</i> (ATCC 9027) | 1.5×10^4 | $<1.0 \times 10^0$ | $>99.99\%$ |
| <i>Staphylococcus aureus</i> (ATCC 6538) | 7.4×10^4 | $<1.0 \times 10^0$ | $>99.99\%$ |
| <i>Salmonella Typhimurium</i> (ATCC 14028) | 2.9×10^4 | $<1.0 \times 10^0$ | $>99.99\%$ |



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Test Result :

Reaction time of sample and culture inoculums: 60 seconds

| Test Organism | Result | | |
|---|---|---|---|
| | A: Viable Bacterial Count of Initial concentration (CFU/mL) | B: Viable Bacterial Count of test sample (CFU/mL) | C: Bactericide Efficacy (%) = (A-B)/A x 100% |
| <i>Aspergillus brasiliensis</i> (ATCC 16404) | 4.2×10^4 | $<1.0 \times 10^0$ | $>99.99\%$ |
| <i>Candida albicans</i> (ATCC 10231) | 3.1×10^4 | $<1.0 \times 10^0$ | $>99.99\%$ |
| <i>Escherichia coli</i> (ATCC 8739) | 1.6×10^4 | $<1.0 \times 10^0$ | $>99.99\%$ |
| <i>Pseudomonas aeruginosa</i> (ATCC 9027) | 1.4×10^4 | $<1.0 \times 10^0$ | $>99.99\%$ |
| <i>Staphylococcus aureus</i> (ATCC 6538) | 7.8×10^4 | $<1.0 \times 10^0$ | $>99.99\%$ |
| <i>Salmonella Typhimurium</i> (ATCC 14028) | 3.3×10^4 | $<1.0 \times 10^0$ | $>99.99\%$ |

- Note :
1. % denotes percentage
 2. CFU/mL denotes colony forming units per milliliter
 3. As stated in GB 15979-2002: Hygienic Standard for Disposable Sanitary Products, PRC; Appendix C4.2: 抑菌率 $\geq 90\%$, 產品有較強抑菌作用。
 4. Sanitizing product 'Force of Nature' has been used for the test

***** End of Report *****