

CHEMICAL LABORATORY (MALAYSIA) SDN BHD (27822-K)

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Dato' Marcus K.F. Kam B.E. (Hons.), M.Sc., C.Chem., FRACI, MRSC, MBA, AMIChemE.

Executive Director:

Datin P.K. Wong Dip. NIOA, FRSH, FCMI, FEI

CERTIFICATE OF ANALYSIS

Company : M/s. Gard Inc Sdn Bhd
No 13, Jalan Budiman,
Budiman Business Park,
Jalan Sungai Long,
43000 Kajang, Selangor

Lab No : PJ-D/MS/1551/20 (1)

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Sample Description : One (1) sample of Liquid Disinfectants
Sample Marking : Houm.Hygiene Instant Foam Hand Sanitizer
Date Sample Received : 27th July 2020
Date Analyzed : 27th July 2020 - 3rd August 2020
Date Reported : 3rd August 2020


MICROBIOLOGICAL ANALYSIS :

Challenge Test

RESULTS :

Organism Tested	Initial Count, cfu/ml (A)	Contact Time	Organism Survive, cfu/ml (Sample B)	Percentage of kill, (A) – (Sample B) × 100% (A)
a) <i>Escherichia coli</i> ATCC 8739	6.2 x 10 ⁷	1 min	0	>99.99%
b) <i>Staphylococcus aureus</i> ATCC 6538	2.9 x 10 ⁷	1 min	0	>99.99%
c) <i>Pseudomonas aeruginosa</i> ATCC 9027	8.2 x 10 ⁷	1 min	0	>99.99%
d) <i>Candida albicans</i> ATCC 10231	4.7 x 10 ⁶	1 min	0	>99.99%
e) <i>Aspergillus niger</i> ATCC 16404	3.5 x 10 ⁶	1 min	0	>99.99%
f) <i>Salmonella cholerasuis</i> ATCC 10708	1.9 x 10 ⁶	1 min	0	>99.99%
g) <i>Listeria monocytogenes</i> ATCC 13932	4.2 x 10 ⁶	1 min	0	>99.99%
h) <i>Bacillus cereus</i> ATCC 14579	2.5 x 10 ⁷	1 min	0	>99.99%

Test Method : In-House Method based on EN 1040


Sam Loo Y. M.
 B.Sc., AMIC
 QA Manager
 MJMM0409

THE ABOVE ANALYSIS IS BASED SOLELY ON THE SAMPLES SUBMITTED BY THE CUSTOMER

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43000 Kajang, Selangor

Lab No : PJ-D/MS/1551/20 (2)

Page : 1 of 1

Sample Description : One (1) sample of Liquid Disinfectants
Sample Marking : Houm.Hygiene Foaming hand Wash (Plant based Natural Scent)
Date Sample Received : 27th July 2020
Date Analyzed : 27th July 2020
Date Reported : 3rd August 2020


MICROBIOLOGICAL ANALYSIS :

Challenge Test

RESULTS :

Organism Tested	Initial Count, cfu/ml (A)	Contact Time	Organism Survive, cfu/ml (Sample B)	Percentage of kill, (A) – (Sample B) x 100% (A)
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