



LOTUS LABORATORY SERVICES (M) SDN. BHD.

Associate of LOTUS TECHNICAL SERVICES

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Specialised in analysis of Edible Oils and its products, Drinking Water and Waste Water, Foods, Animal Feeds, Chemicals, Fuel Oils, Environmental Monitoring, etc...

REPORT

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OUR REF : LS/C2736/11(A1)
DATE : 10th March, 2011
CLIENT : AD TEGUH SDN. BHD.
No 14, JALAN INDAH 23/3
TAMAN BUKIT INDAH 2
81200 JOHOR BAHRU
SUBJECT : BACTERICIDAL ACTIVITY TEST
SAMPLE SUBMISSION DATE/ TEST DATE : 4th March, 2011 / 5th March, 2011
SAMPLE DESCRIPTION : One sample consisting 1 x 500ml bottle " AD Nano Aqueous Cleaner & Degreaser"
TEST METHOD : The sample was used to do swab test (In-House Method) at the toilet area in Lotus Laboratory for bactericidal activity test.

PARAMETERS	RESULTS		
	BEFORE	AFTER	EFFECTIVENESS (%)
SWAB TEST			
(A) Concentrate			
Total Plate Count, cfu/100 cm ² of surface area	9.0x10 ³	70	99.2
Total Coliform Count,MPN/100 cm ² of surface area	140	<2	98.6
Escherichia Coli, MPN/100 cm ² of surface area	26	Nil	100
Moulds & Yeast Count, cfu /100 cm ² of surface area	1.2x10 ²	20	83.3
Salmonella, / 100 cm ² of surface area	Present	Absent	100
Staphylococcus Aureus, cfu/100 cm ² of surface area	TNTC	Absent	100
(B) Dilution 1:3			
Total Plate Count, cfu/100 cm ² of surface area	TNTC	70	99.8
Total Coliform Count,MPN/100 cm ² of surface area	170	<2	98.8
Escherichia Coli, MPN/100 cm ² of surface area	33	Nil	100
Moulds & Yeast Count, cfu /100 cm ² of surface area	30	<10	93.3
Salmonella, / 100 cm ² of surface area	Present	Absent	100
Staphylococcus Aureus, cfu/100 cm ² of surface area	TNTC	Absent	100
(C) Dilution 1:5			
Total Plate Count, cfu/100 cm ² of surface area	1.4x10 ³	40	97.1
Total Coliform Count,MPN/100 cm ² of surface area	110	<2	98.2
Escherichia Coli, MPN/100 cm ² of surface area	22	Nil	100
Moulds & Yeast Count, cfu /100 cm ² of surface area	5.1x10 ²	30	94.1
Salmonella, / 100 cm ² of surface area	Present	Absent	100
Staphylococcus Aureus, cfu/100 cm ² of surface area	TNTC	Absent	100

NOTES: *(i)TNTC : Too Numerous To Count

*(ii) CFU : Colony Forming Unit

Conclusion : The result shows that the product AD Nano Aqueous Cleaner & Degreaser is able to remove bacteria, mould and yeast effectively.

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KAMARIAH BT SULAIMAN, Microbiologist
B.SC (Hons.) Biochemistry

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