

 bioiab	 LAB N° 0032 Signatory of EA, IAF and ILAC Mutual Recognition Agreements	Test Report No.:	
		Version:	English
		Page:	1 of 2
		Print date:	Sept 21 st 2011

TEST REPORT 2011/1221 PROVAREV1

SPONSOR:	RJN CHEMICALS LTD		
	UNIT 6, THE RIDGEWAY		
	THORNEY LANE, IVER		
	BUCKS SL0 9HX		
REFERENCE/GUIDELINE:	EN 1276, October 2009 - Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and		
TEST SAMPLE			
IDENTIFICATION	SANITIZER PLUS		
SAMPLE TYPOLOGY	Hard surface cleaner		
BATCH N.	Not provided	FORMULA CODE	//
MANUFACTURING DATE	Not provided	EXPIRY DATE	Not provided
MANUFACTURER	RJN CHEMICALS LTD		
COMPOSITION (ON SAFETY DATA SHEET)	Benzylidimethylammonium chloride (CAS-No: 68391-01-5) 1-5% N,N-didecyl-N,N-dimethylammonium chloride (CAS-No: 7173-51-5) 1-5% Sodium carbonate (CAS-No:497-19-8) 10-30% Tetrasodium ethylene diamine tetraacetate (CAS-No: 64-02-8) 10-30%		
SAMPLE ID	11.1844-S		
RECEIVING N.	EUITVI-18478	RECEIVING DATE	July 21 st 2011
ANALYSIS STARTING DATE	August 24 th 2011	ANALYSIS ENDING DATE	August 26 th 2011
EXPERIMENTAL CONDITIONS			
TEST TEMPERATURE	20°C ±1°C		
CONCENTRATION	1% - 0.50% - 0.10% final concentrations		
CONTACT TIME	5 minutes		
INACTIVATION OF THE PRODUCT	Dilution- neutralization method - CEN neutralizer: Lecithin 3 g MERCK Polysorbate 80 30 g MERCK Sodium Thiosulfate 5 g MERCK L-histidine 1 g MERCK Saponin 30 g SIGMA Tryptone-treated water (q. s.) to 1000 ml		
INTERFERING SUBSTANCES	Bovine Serum Albumin (BSA) with 0.03% final concentration (simulating clean conditions)		
INCUBATION TEMPERATURE	37°C ±1°C		
TEST STRAINS	Staphylococcus aureus ATCC6538 Pseudomonas aeruginosa ATCC15442 Escherichia coli ATCC10536 Enterococcus hirae ATCC10541 Staphylococcus aureus MRSA ATCC 33592		

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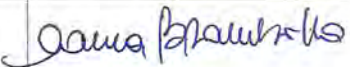
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C.F. 03765750167
REA MI 069690
D-U-N-S 429117112
CIT005 4-385

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RESULTS	Attachment N.1
CONCLUSIONS:	BACTERICIDAL with the test concentration of 1% after 5 minutes of contact, using a 0.03% final concentration of bovine albumin.
ATTACHMENT:	- N. 1: RAW DATA EXPERIMENTATION (3 pages)

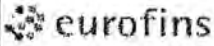
SENIOR SCIENTIST (LAURA BRAMBILLA)		ISSUED ON:	Sept 21 st 2011
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The test results relate only to the items tested. Sampling, except specific indication on test report, is always intended to be made by the manufacturer.
Characterization of the test sample is under Sponsor responsibility.

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 eurofins biolab	Prova quantitativa in sospensione per la valutazione dell'attività battericida dei disinfettanti chimici e antisettici usati in campo alimentare, industriale, domestico e nelle collettività (Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas)
	Mod. PS/MIC/003.E Rev.3

Data inizio (Started on): 24/08/11

ID. studio (ID. Study): 2011/1221 PROVA

ID. campione (ID. sample): 11.1844-S

Microrganismi test (Test Microorganisms)	Dil	N		Nv		A		B		C	
		ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)
Staphylococcus aureus ATCC6538	-6	>330	>330	124	115	100	89	78	116	100	76
	-7	52	34								
		8.63	VALIDO (VALID)	1.2E+03		9.5E+01		9.7E+01		8.8E+01	
Pseudomonas aeruginosa ATCC15442	-6	>330	>330	116	117	80	110	103	95	84	66
	-7	27	32								
		8.47	VALIDO (VALID)	1.2E+03		9.5E+01		9.9E+01		7.5E+01	
Escherichia coli ATCC10536	-6	>330	>330	108	98	77	81	56	100	76	78
	-7	48	51								
		8.69	VALIDO (VALID)	1.0E+03		7.9E+01		7.8E+01		7.7E+01	
Enterococcus hirae ATCC10541	-6	>330	>330	85	75	95	63	75	88	67	59
	-7	48	43								
		8.66	VALIDO (VALID)	8.0E+02		7.9E+01		8.2E+01		6.3E+01	

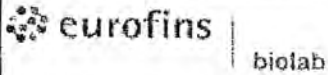
N: conteggio sospensione batterica ufc/ml (N: count of the bacterial suspension cfu/ml)

Nv: conteggio sospensione batterica per il saggio preliminare ufc/ml (Nv: count of the bacterial suspension in the preliminary assay cfu/ml)

A: conteggio nella convalida delle condizioni sperimentali ufc/ml (A: count in the experimental conditions verification solution cfu/ml)

B: conteggio nel controllo di tossicità del neutralizzante ufc/ml (B: count in the neutraliser toxicity control cfu/ml)

C: conteggio nel controllo dell'efficacia del neutralizzante ufc/ml (C: count in the neutraliser effectiveness control cfu/ml)

	Prova quantitativa in sospensione per la valutazione dell'attività battericida dei disinfettanti chimici e antisettici usati in campo alimentare, Industriale, domestico e nelle collettività (Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas)
	Norma (Standard): EN 1276:2009 - phase2/step1
	Pagina 2 di 3 (page 2 of 3)

Data inizio (Started on): 24/08/11

ID. studio (ID. Study): 2011/1221 PROVA

ID. campione (ID. sample): 11.1844-S

Microorganismi test (Test Microorganisms)	CONCENTRAZIONI E TEMPI DI CONTATTO ufc/piastra (CONCENTRATIONS AND CONTACT TIMES cfu/plate)					
	1%	5 min	0.50%	5 min	0.10%	5 min
Staphylococcus aureus ATCC6538	0	0	0	0	0	0
	Na=	< 2.15	Na=	< 2.15	Na=	< 2.15
	R=	> 5.48	R=	> 5.48	R=	> 5.48
Pseudomonas aeruginosa ATCC15442	0	0	>330	>330	>330	>330
	Na=	< 2.15	Na=	> 3.52	Na=	> 3.52
	R=	> 5.32	R=	< 3.95	R=	< 3.95
Escherichia coli ATCC10536	0	0	0	0	0	0
	Na=	< 2.15	Na=	< 2.15	Na=	< 2.15
	R=	> 5.54	R=	> 5.54	R=	> 5.54
Enterococcus hirae ATCC10541	0	0	0	0	0	0
	Na=	< 2.15	Na=	< 2.15	Na=	< 2.15
	R=	> 5.51	R=	> 5.51	R=	> 5.51

Na = conteggio della miscela test ufc/ml (Na = count of the test mixture cfu/ml)
 R = riduzione della vitalità (R = vitality reduction)

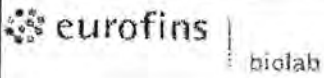
Sigla tecnico (Technician signature):

Sigla Approvazione (Approval signature):



Data fine (Finished on): 26/08/11

Data (Date): 26/08/11

	Prova quantitativa in sospensione per la valutazione dell'attività battericida dei disinfettanti chimici e antisettici usati in campo alimentare, industriale, domestico e nelle collettività (Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas)	
	Mod. PS/MIC/003.E	Norma (Standard): EN 1276:2009 - phase2/step1
	Rev.3	Pagina 3 di 3 (page 3 of 3)

Data inizio (Started on): 24/08/11

ID. studio (ID. Study): 2011/1221 PROVA

ID. campione (ID. sample): 11.1844-S

Microorganismi test (Test Microorganisms)	Dil	N		Nv		A		B		C	
		ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)	ufc/piastra (cfu/plate)
S. aureus MRSA ATCC 33592	-6	>330	>330	60	74	61	58	44	68	97	50
	-7	48	33								
		8.61	VALIDO (VALID)	6.7E+02		6.0E+01		5.6E+01		7.4E+01	

N: conteggio sospensione batterica ufc/ml (N: count of the bacterial suspension cfu/ml)

Nv: conteggio sospensione batterica per il saggio preliminare ufc/ml (Nv: count of the bacterial suspension in the preliminary assay cfu/ml)

A: conteggio nella convalida delle condizioni sperimentali ufc/ml (A: count in the experimental conditions verification solution cfu/ml)

B: conteggio nel controllo di tossicità del neutralizzante ufc/ml (B: count in the neutraliser toxicity control cfu/ml)

C: conteggio nel controllo dell'efficacia del neutralizzante ufc/ml (C: count in the neutraliser effectiveness control cfu/ml)

Microorganismi test (Test Microorganisms)	CONCENTRAZIONI E TEMPI DI CONTATTO ufc/piastra (CONCENTRATIONS AND CONTACT TIMES cfu/plate)					
	1% 5 min		0.50% 5 min		0.10% 5 min	
S. aureus MRSA ATCC 33592	0	0	0	0	0	0
	Na= <	2.15	Na= <	2.15	Na= <	2.15
	R= >	5.46	R= >	5.46	R= >	5.46

Na = conteggio della miscela test ufc/ml (Na = count of the test mixture cfu/ml)

R = riduzione della vitalità (R = vitality reduction)

Sigla tecnico (Technician signature):



Data fine (Finished on): 26/08/11

Sigla Approvazione (Approval signature):

Data (Date): 26/08/11