

		 <small>LAB N° 0032</small> <small>Signatory of EA, IAF and ILAC Mutual Recognition Agreements</small>	Test Report No.:	
			2011/1222 PROVAREV1	
			Version:	English
			Page:	1 of 2
			Print date:	Sept 21 st 2011

TEST REPORT 2011/1222 PROVAREV1

SPONSOR:	RJN CHEMICALS LTD
	UNIT 6, THE RIDGEWAY
	THORNEY LANE, IVER
	BUCKS SL0 9HX

REFERENCE/GUIDELINE:	EN 1650, May 2008 – Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of fungicidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas – Test method and requirements (phase 2/step 1).
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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)	Benzyltrimethylammonium 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	11.1845-S		
RECEIVING N.	EUITVI-18478	RECEIVING DATE	July 21 st 2011
ANALYSIS STARTING DATE	August 24 th 2011	ANALYSIS ENDING DATE	August 29 th 2011

EXPERIMENTAL CONDITIONS

TEST TEMPERATURE	20°C ±1°C
CONCENTRATION	1% - 0.50% - 0.10% final concentrations
CONTACT TIME	15 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	30°C ±1°C
TEST STRAINS	<i>Candida albicans</i> ATCC 10231 <i>Aspergillus niger</i> ATCC 16404

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Società con Socio unico sottoposta
a direzione e coordinamento della società
Eurofins Scientific Italia S.r.l.
parte di Eurofins Scientific Group
<http://pharma.eurofins.com/>

Via Bruno Buozzi, 2
20090 Vimercate (MI) - Italia
Tel. +39-022507151
Fax +39-0225071599
biolab@eurofins.com
www.eurofins.it www.biolab.it

E-SOC € 100.000 i.v.
P. IVA 00702140980
C.F. 03760750167
REA MI 996696
D-U-N-S 429117112
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RESULTS	Attachment N.1
CONCLUSIONS:	FUNGICIDAL with the test concentration of 1% after 15 minutes of contact, using a 0.03% final concentration of bovine albumin. YEASTICIDAL with the test concentration of 0.5% after 15 minutes of contact, using a 0.03% final concentration of bovine albumin.
ATTACHMENT:	- N. 1: RAW DATA EXPERIMENTATION (2 pages)

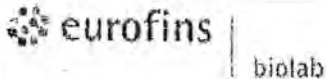
SENIOR SCIENTIST (LAURA BRAMBILLA)		ISSUED ON:	Sept 21 st 2011
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The test results relate only to the items tested. Sampling, except specific indication on test report, is always intended to be made by the manufacturer.
Characterization of the test sample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

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Via Bruno Buozzi, 2
20090 Vimodrone (MI) - Italia
Tel. + 39-022507151
Fax + 39-0225071599
biolab@eurofins.com
www.eurofins.it www.biolab.it

C.SOC. € 100.000 i.v.
P. IVA 00762140960
C.F. 03765750157
REA MI 966696
D-U-N-S 429117112
CIT005 4-385

	Prova quantitativa in sospensione per la valutazione dell'attività fungicida dei disinfettanti chimici e antisettici usati in campo alimentare, industriale, domestico e nelle comunità <i>(Quantitative suspension test for the evaluation of fungicidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas)</i>
	Mod. PS/MIC/021.E Norma (Standard): EN 1650:2008 - phase2/step1
	Rev.5 Pagina 1 di 2 (page 1 of 2)

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

ID. studio (ID. Study): 2011/1222 PROVA

ID. campione (ID. sample): 11.1845-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)
Candida albicans ATCC10231	-5	>330	>330	75	73	56	48	82	65	71	49
	-6	31	33								
		7.51	VALIDO (VALID)	7.4E+02		5.2E+01		7.4E+01		6.0E+01	
Aspergillus niger ATCC16404	-5	>165	>165	66	60	43	49	51	60	62	44
	-6	25	18								
		7.33	VALIDO (VALID)	6.3E+02		4.6E+01		5.6E+01		5.3E+01	

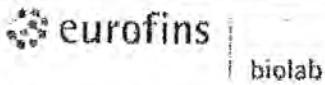
N: conteggio sospensione batterica ufc/ml (N: count of the bacterial suspension cfu/ml)

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 fungicida dei disinfettanti chimici e antisettici usati in campo alimentare, industriale, domestico e nelle comunità (Quantitative suspension test for the evaluation of fungicidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas)
	Norma (Standard): EN 1650:2008 - phase2/step1
	Pagina 2 di 2 (page 2 of 2)
Mod. PS/MIC/021.E	
Rev.5	

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

ID. studio (ID. Study): 2011/1222 PROVA

ID. campione (ID. sample): 11.1845-S

Microorganismi test (Test Microorganisms)	CONCENTRAZIONI E TEMPI DI CONTATTO ufc/piastra (CONCENTRATIONS AND CONTACT TIMES cfu/plate)					
	1%	15 min	0.50%	15 min	0.10%	15 min
Candida albicans ATCC10231	0	0	0	0	>330	>330
	Na= <	2.15	Na= <	2.15	Na= >	3.52
	R= >	4.36	R= >	4.36	R= <	2.99
Aspergillus niger ATCC16404	0	0	30	31	>165	>165
	Na= <	2.15	Na=	2.48	Na= >	3.22
	R= >	4.18	R=	3.85	R= <	3.11

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): 29/08/11

Data (Date): 29/08/11