mag	I A DOD ATOD	ICC		Repoi	rt
	SLABORATOR Microbiological Services and Consi		Doc No.	TRA-20	09-074-02
	EN 1040 (2005)				
Title	Quantitative suspens chemical disinfectan (Phase 1 / Step 1)	sion test for the evalu ts and antiseptics	ation of basic ba	ctericidal a	activity of

a) Identification of test laboratory:

Test laboratory

MGS Laboratories Ltd

Science Centre Coopers Hill Lane

Egham

Surrey TW20 0LB United Kingdom

b) Identification of the Customer:

Customer Name

Astor and Windsor International

Customer Address

1 Cross End Pebmarsh Essex

CO9 2NT

c) Identification of the sample:

Name of product

Medspek

Batch number (and expiry date if

available)

Not stated

Manufacturer

Not stated

Date of delivery

15 Jul 09

Storage conditions

Room temperature and darkness

Product diluent recommended by the

manufacturer for use

Not stated

Active substance(s) and their

concentration(s) (optional)

Not stated

Appearance of the product

Clear colourless gel

d) Test method and its validation:

MGS procedure reference

WIN-1000.048-01

Method

Dilution neutralisation

Neutraliser

Lecithin 3g/l, polysorbate 80 30g/l, sodium thiosulphate 5g/l, L-histidine1g/l,

saponin 30g/l, phosphate buffer powder 0.35g/l

Details of validation of the neutraliser

Neutraliser validation performed according to 5.5.2.

e) Experimental conditions:

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NOTE 1: The results relate only to the sample which was tested and cannot be guaranteed to represent the batch from which it was taken.

NOTE 2: This report may not be reproduced except in full, without written approval of MGS Laboratories Ltd.

made	TI A D O D A T O D	ICC		Repor	rt
	SLABORATOR Microbiological Services and Cons		Doc No.	TRA-20	09-074-02
	EN 1040 (2005)				
Title	Quantitative suspen- chemical disinfectar (Phase 1 / Step 1)	sion test for the evalu nts and antiseptics	ation of basic ba	ctericidal a	activity of

Period of analysis 20 Jul 09 - 24 Jul 09

Product diluent used during the test Ready to Use (RTU) product

Product test concentrations RTU

Appearance of product dilutions Clear colourless gel

Contact time 5 minutes ± 10s

Test temperature 20°C ± 2°C

Stability and appearance of the

mixture Precipitate absent throughout test

37°C ± 2°C Temperature of incubation

Identification of the bacterial strains

used

Pseudomonas aeruginosa ATCC 15442

Staphylococcus aureus MRSA

ATCC 6538

NCTC 12493

f) Results:

Test results

1) Controls and validation

Evaluation of bactericidal activity

g) Conclusion:

Based on EN 1040 (2005), the batch of the product Medspek, supplied by Astor and Windsor, when tested at RTU, possesses bactericidal activity in 5 minutes at 20 °C for the referenced strains of P. aeruginosa, S. aureus and

Name: Mrs Kim Morwood BSc (Hons) CBiol MiBiol

MRSA.

h) Deviations:

None

Prepared By: Luna Care

Name: Miss Emma Crane BSc (Hons)

Position: Laboratory Manager

Position: Technical Director

Date: 3171109

Approved by:

Date: 3150209

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mac	LADODATOD	ICC		Repor	t
	LABORATOR I		Doc No.	TRA-20	09-074-02
Title	EN 1040 (2005) Quantitative suspens chemical disinfectant (Phase 1 / Step 1)		ation of basic ba	ctericidal	activity of

Product batch number: Not sta	tec	1
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Dilution-neutralisation method

Pour plate

Spread plate

Number of plates: 1/ml

Neutraliser: Lecithin 3g/l, polysorbate 80 30g/l, sodium thiosulphate 5g/l, L-histidine1g/l, saponin 30g/l, phosphate

X

buffer powder 0.35g/l

Test temperature: 20°C ± 2°C

Test organism: P. aeruginosa ATCC 15442

Incubation temperature: 37°C ± 2°C

Date of Test:20 Jul 09

Person responsible: Emilia Brzosko

Signature: Quiliz bopils.

Diluent used for product test solutions: RTU product Appearance of product test solutions: Clear colourless gel

Validation and Controls

Validation suspension (Nv₀)			Neutraliser Control (B)				od Vali	dation (C) RTU
Vc1	84	χ = 82	Vc1	87	x = 80	Vc1	81	χ = 82
Vc2	80		Vc2	73		Vc2	83	()
30 ≤) Yes [x of Nv ₀	≤ 160? No	χ of I Nv ₀ ? Yes		No No	χ of 0 Nv ₀ ? Yes		5 x χ of No

Test suspension and test

Test suspension	N	Vc1	Vc2	$\chi = 34 \times 10^7$; IgN= 8.53		
(N and N ₀):	10 ⁻⁶	>330	>330	$N_0 = N/10$; $IgN_0 = 7.53$		
	10 ⁻⁷	36	31	$7.17 \le \text{lg N}_0 \le 7.70$?	Yes X	No

Conc of the product	Vc1	Vc2	Na = χ x10	IgNa	IgR	Contact time (min)
RTU	<14	<14	<140	<2.15	>5.38	5 min

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made	I A DOD ATODI	ГС		Repor	t
	LABORATORI Microbiological Services and Consu		Doc No. TRA-2009-07		09-074-02
Title	EN 1040 (2005) Quantitative suspension chemical disinfectant (Phase 1 / Step 1)		ation of basic ba	ctericidal a	activity of
Product	Medspek	MGS No	17144	SO No	1914

Product	batch	number:	Not	stated
m		1. 1.		

Dilution-neutralisation method

Pour plate

Spread plate

Number of plates: 1/ml

Neutraliser: Lecithin 3g/l, polysorbate 80 30g/l, sodium thiosulphate 5g/l, L-histidine1g/l, saponin 30g/l, phosphate

X

buffer powder 0.35g/l

Test temperature: 20°C ± 2°C

Test organism: S. aureus ATCC 6538 Incubation temperature: 37°C ± 2°C

Date of Test: 20 Jul 09

Person responsible: Emilia Brzosko

Signature: amilia Bressles

Diluent used for product test solutions: RTU product Appearance of product test solutions: Clear colourless gel

Validation and Controls

Validation suspension (Nv₀)			Neutraliser Control (B)				Method Validation (C Prod conc: RTU		
Vc1	36	χ = 37	Vc1	33	x = 32	Vc1	23	x = 27	
Vc2	68		Vc2	30		Vc2	31		
30 ≤) Yes [of Nv ₀	≤ 160? No	χ of E Nv ₀ ? Yes		0.5 x χ of	χ of 0 Nv ₀ ? Yes		5 x χ of	

Test suspension and test

Test suspension	N	Vc1	Vc2	χ wm = 155 x 10 ⁶ ; IgN= 8.19
(N and N ₀):	10 ⁻⁶	154	152	$N_0 = N/10$; $IgN_0 = 7.19$
	10 ⁻⁷	20	10	7.17 ≤ Ig N ₀ ≤ 7.70? Yes X No

Conc of the product	Vc1	Vc2	Na = χ x10	lgNa	IgR	Contact time (min)
RTU	<14	<14	<140	<2.15	>5.04	5 min

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maa	TI A DOD ATOD		Report			
	SLABORATOR Microbiological Services and Cons	Doc No.	TRA-2009-074-02			
Title	EN 1040 (2005) Quantitative suspens chemical disinfectan (Phase 1 / Step 1)	sion test for the evalu	ation of basic ba	ctericidal	activity of	
Product	Medspek	MGS No	17144	SO No	1914	

Product	batch	number:	Not	stated
FIUUUCL	Daton	number.	INOL	Stateu

Dilution-neutralisation method

Pour plate

Spread plate

Number of plates: 1/ml

Neutraliser: Lecithin 3g/l, polysorbate 80 30g/l, sodium thiosulphate 5g/l, L-histidine1g/l, saponin 30g/l, phosphate

X

buffer powder 0.35g/l

Test temperature: 20°C ± 2°C Test organism: MRSA NCTC 12493 Incubation temperature: 37°C ± 2°C

Date of Test: 22 Jul 09

Person responsible: Emilia Brzosko

Signature: Emilia Brisla

Diluent used for product test solutions: RTU product Appearance of product test solutions: Clear colourless gel

Validation and Controls

Validation suspension (Nv ₀)		Neutraliser Control (B)			Method Validation (C) Prod conc: RTU			
Vc1	78	χ = 81	Vc1	97	χ = 99	Vc1	53	x = 61
Vc2	84		Vc2	100		Vc2	68	1
30 ≤ x of Nv ₀ ≤ 160? Yes x No			χ of B is $\geq 0.5 \times \chi$ of Nv ₀ ? Yes χ No			χ of C is \geq 0.5 x χ of Nv ₀ ? Yes χ No		

Test suspension and test

Test suspension	N	Vc1	Vc2	$\chi = 36 \times 10^7$; IgN= 8.56		
(N and N₀):	10 ⁻⁶	>330	>330	$N_0 = N/10$; $IgN_0 = 7.56$		
	10 ⁻⁷	38	34	$7.17 \le \text{Ig N}_0 \le 7.70$?	Yes X	No

Conc of the product	Vc1	Vc2	Na = χ x10	IgNa	IgR	Contact time (min)
RTU	<14	<14	<140	<2.15	>5.43	5 min

Explanations:

Vc = count per plate (one plate or more)

= average of Vc1 and Vc2 (1. + 2. duplicate)

 χ wm = weighed mean of χ

= reduction (lgR = lgN₀ - lgNa) R

Na = number of survivors in the test mixture Nv = number of cells in the validation suspension

 Nv_0 = Nv/10

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