



# Abbott Analytical



Consulting Scientists to the Disinfectant Industry

## Test Report

**Product name:** DermaGard

**Batch or ref no:**

**Manufacturer or supplier:** Eco-Mist Biotechnics International Ltd  
Unit A2, Mainline Industrial Estate, Milnthorpe, LA7 7LR

**Sample ref:** 18G/010                      **Date received:** 5 July 2018

**Date tested:** 6 July 2018                      **Report date:** 9 July 2018

**Report no:** 18G.010BF3.EMB<sup>1</sup>                      **Page:** 1 of 4

**Analysis required:** EN 1275:2005, Chemical disinfectants and antiseptics -  
Quantitative suspension test for the evaluation of basic  
fungicidal or basic yeasticidal activity of chemical  
disinfectants and antiseptics - Test method and requirements  
(phase 1)

**Storage conditions:** Room temperature in darkness

**Appearance of product (solution):** Clear colourless liquid

**Active substance(s) and their concentration(s):** Not disclosed

### Notes

The test results in this report relate only to the sample(s) tested.  
This test report may not be reproduced except in full, adapted, altered or used  
to create a derivative work, without written approval from Abbott Analytical.

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## Experimental conditions

**Concentration(s) of product tested:** Neat<sup>2</sup>

**Product diluent:** N/A

**Test organism(s):** *Aspergillus brasiliensis* (DSM 1988)  
*Candida albicans* (DSM 1386)

**Contact time(s):** 15 min ± 10 s

**Test temperature:** 20 °C ± 1 °C

**Test conditions:** N/A

**Interfering substance:** None

**Method:** Dilution-neutralisation

**Neutralising solution:** 30 g/l Polysorbate 80 + 3 g/l Lecithin +  
1 g/l L-histidine + 1 g/l L-cysteine

**Incubation temperature:** 30 °C ± 1 °C

## Remarks

- 1) Re-issued with amended product name.  
Original report 18G.010BF.EMB dated 9 July 2018.
- 2) Products can only be tested at a concentration of 80 % or less as some dilution is always produced by adding the test organisms and interfering substance.

## Conclusion

When tested neat this sample of DermaGard meets the requirements of EN 1275:2005 for fungicidal activity in 15 minutes at 20 °C, against both of the referenced strains of *Aspergillus brasiliensis* and *Candida albicans*.

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## Results: *Aspergillus brasiliensis* (DSM 1988)

### Validation and controls:

Validation suspension ( $N_{v_o}$ )			Experimental conditions control (A)			Neutralizer or filtration control (B)			Method validation (C) Product conc.: Neat		
Vc1	31	$\bar{x} =$	Vc1	36	$\bar{x} =$	Vc1	30	$\bar{x} =$	Vc1	29	$\bar{x} =$
Vc2	33	32	Vc2	32	34	Vc2	29	29.5	Vc2	31	30
$30 \leq \bar{x} (N_{v_o}) \leq 160$ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x} (A) \geq 0.5 \times \bar{x} (N_{v_o})$ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x} (B) \geq 0.5 \times \bar{x} (N_{v_o})$ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x} (C) \geq 0.5 \times \bar{x} (N_{v_o})$ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		

### Test suspension: ( $N$ and $N_o$ )

$N$	Vc1	Vc2	$\bar{x}(\text{wm}) = 1.70 \times 10^7$ ; $\lg N = 7.23$
$10^{-5}$	>165	>165	$N_o = N/10$ ; $\lg N_o = 6.23$
$10^{-6}$	18	16	$6.17 \leq \lg N_o \leq 6.70$ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Control of weighted mean counts ( $N$ )			Quotient = N/A Between 5 and 15 ? <input type="checkbox"/> yes <input type="checkbox"/> no

### Test:

Product test conc.	Contact time	Vc1	Vc2	$N_a =$ ( $\bar{x} \times 10$ )	$\lg N_a =$	$\lg R =$ ( $\lg N_o - \lg N_a$ )	Status
Neat	15 min	5	6	< 140	< 2.15	> 4.08	PASS

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**Results: *Candida albicans* (DSM 1386)**

**Validation and controls:**

Validation suspension ( $N_{v_o}$ )			Experimental conditions control (A)			Neutralizer or filtration control (B)			Method validation (C) Product conc.: Neat		
Vc1	61	$\bar{x} =$	Vc1	59	$\bar{x} =$	Vc1	62	$\bar{x} =$	Vc1	61	$\bar{x} =$
Vc2	57	59	Vc2	60	59.5	Vc2	57	59.5	Vc2	63	62
$30 \leq \bar{x} (N_{v_o}) \leq 160$ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x} (A) \geq 0.5 \times \bar{x} (N_{v_o})$ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x} (B) \geq 0.5 \times \bar{x} (N_{v_o})$ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x} (C) \geq 0.5 \times \bar{x} (N_{v_o})$ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		

**Test suspension:  
( $N$  and  $N_o$ )**

$N$	Vc1	Vc2	$\bar{x}(\text{wm}) = 3.02 \times 10^7$ ; $\lg N = 7.48$
$10^{-5}$	304	300	$N_o = N/10$ ; $\lg N_o = 6.48$
$10^{-6}$	31	29	$6.17 \leq \lg N_o \leq 6.70$ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Control of weighted mean counts ( $N$ )			Quotient = 10.07 Between 5 and 15 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no

**Test:**

Product test conc.	Contact time	Vc1	Vc2	$N_a =$ ( $\bar{x} \times 10$ )	$\lg N_a =$	$\lg R =$ ( $\lg N_o - \lg N_a$ )	Status
Neat	15 min	0	0	< 140	< 2.15	> 4.33	PASS

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