

# Abbott Analytical

Consulting Scientists to the Disinfectant Industry

## Certificate of Analysis

**Product name:** Blend A

**Batch or ref no:**

**Manufacturer or supplier:** Sanigone Ltd, 86-90 Paul Street, London, United Kingdom, EC2A 4NE

**Sample ref:** 15A/176                      **Date received:** 19 January 2015

**Date tested:** 24 January 2015              **Certificate date:** 27 January 2015

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**Analysis required:** EN 1650:2008+A1:2013, Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas - Test method and requirements (phase 2, step 1)

**Storage conditions:** Room temperature

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

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

### Notes:

The test results in this report relate only to the sample(s) tested.  
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**Experimental conditions:**

<b>Concentration(s) of product tested:</b>	Neat as received (test concentration 80%)
<b>Product diluent:</b>	N/A
<b>Test organism(s):</b>	<i>Candida albicans</i> (NCPF 3179)
<b>Contact time(s):</b>	2 minutes, 5 minutes & 10 minutes
<b>Test temperature:</b>	20°C ± 0.5°C
<b>Test conditions:</b>	Dirty
<b>Interfering substance:</b>	3.0g/l bovine albumin
<b>Neutralising solution:</b>	30g/l Polysorbate 80 + 3g/l Lecithin + 1g/l L-histidine + 1g/l L-cysteine
<b>Incubation temperature:</b>	30°C ± 1°C

**Conclusion:**

At a test concentration of 80%, this sample of Blend A passes the requirements of EN 1650:2008+A1:2013 for yeasticidal activity in 2 minutes, in 5 minutes and in 10 minutes at 20°C under dirty conditions against *Candida albicans* (NCPF 3179).



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**Results: *Candida albicans* (NCPF 3179)**

**Validation and controls:**

Validation suspension ( $N_{v_0}$ )			Experimental conditions control (A)			Neutralizer or filtration control (B)			Method validation (C)		
Vc1	132	$\bar{x} =$	Vc1	121	$\bar{x} =$	Vc1	112	$\bar{x} =$	Vc1	120	$\bar{x} =$
Vc2	148	140	Vc2	124	122.5	Vc2	126	119	Vc2	130	125
30 $\leq \bar{x}$ ( $N_{v_0}$ ) $\leq$ 160 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x}$ (A) $\geq$ 0.5 x $\bar{x}$ ( $N_{v_0}$ ) ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x}$ (B) $\geq$ 0.5 x $\bar{x}$ ( $N_{v_0}$ ) ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x}$ (C) $\geq$ 0.5 x $\bar{x}$ ( $N_{v_0}$ ) ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		

**Test suspension:  
(N and  $N_0$ )**

N	Vc1	Vc2	$\bar{x}$ wm = 2.94 x10 <sup>7</sup> ; lg N = 7.47
10 <sup>-5</sup>	272	290	$N_0 = N/10$ ; lg $N_0 = 6.47$
10 <sup>-6</sup>	38	46	6.17 $\leq$ lg $N_0 \leq$ 6.70 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Control of weighted mean counts			Quotient = 6.69 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 $N_0 = 6.47$ )	Status
80%	2 mins	5	3	< 140	< 2.15	> 4.32	PASS
	5 mins	1	2	< 140	< 2.15	> 4.32	PASS
	10 mins	0	0	< 140	< 2.15	> 4.32	PASS



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