



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

Test Report

Product name: Gompels Concentrated Antibac Room & Washroom Cleaner 2.5L

Batch or ref no:

Manufacturer or supplier: Gompels Healthcare

Sample ref: 16G/027 **Date received:** 12 July 2016

Date tested: 1 August 2016 **Certificate date:** 3 August 2016

Certificate no: 16G.027IB.BSC **Page:** 1 of 6

Analysis required: EN 1276:2009, Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas - Test method and requirements (phase 2, step 1)

Storage conditions: Room temperature in darkness

Appearance of product (solution): Blue 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: 1:40 v/v

Product diluent: Sterile hard water (300mg/l CaCO₃)

Test organism(s): *Pseudomonas aeruginosa* (NCTC 13359)
Escherichia coli (NCTC 10418)
Staphylococcus aureus (NCTC 10788)
Enterococcus hirae (NCTC 13383)

Contact time(s): 30s ± 5s

Test temperature: 20°C ± 1°C

Test conditions: Dirty

Interfering substance: 3.0g/l bovine albumin

Method: Dilution-neutralisation

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

Incubation temperature: 36°C ± 1°C

Conclusion

When tested at a concentration of 1:40 this sample of Bristol Soap Spray & Wipe meets the requirements of EN 1276:2009 for bactericidal activity in 30 seconds at 20°C under dirty conditions against the referenced strains of *Pseudomonas aeruginosa*, *Escherichia coli*, *Staphylococcus aureus* and *Enterococcus hirae*.

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Results: *Pseudomonas aeruginosa* (NCTC 13359)

Validation and controls:

Validation suspension (N_{v_o})			Experimental conditions control (A)			Neutralizer or filtration control (B)			Method validation (C)		
Vc1	130	$\bar{x} =$	Vc1	94	$\bar{x} =$	Vc1	102	$\bar{x} =$	Vc1	99	$\bar{x} =$
Vc2	134	132	Vc2	97	95.5	Vc2	105	103.5	Vc2	103	101
30 ≤ \bar{x} (N_{v_o}) ≤ 160 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			\bar{x} (A) ≥ 0.5 x \bar{x} (N_{v_o})? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			\bar{x} (B) ≥ 0.5 x \bar{x} (N_{v_o})? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			\bar{x} (C) ≥ 0.5 x \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} (wm) = 2.09 x10 ⁸ ; lg N = 8.32
10 ⁻⁶	196	201	$N_o = N/10$; lg $N_o = 7.32$
10 ⁻⁷	30	32	7.17 ≤ lg N_o ≤ 7.70 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Control of weighted mean counts (N)			Quotient = 6.40 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} x10)	lg $N_a =$	lg R = (lg N_o - lg N_a)	Status
1:40	30s	6	0	<140	<2.15	>5.17	PASS

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Results: *Escherichia coli* (NCTC 10418)

Validation and controls:

Validation suspension (N_{v_o})			Experimental conditions control (A)			Neutralizer or filtration control (B)			Method validation (C)		
Vc1	157	$\bar{x} =$	Vc1	109	$\bar{x} =$	Vc1	99	$\bar{x} =$	Vc1	105	$\bar{x} =$
Vc2	161	159	Vc2	111	110	Vc2	103	101	Vc2	107	106
30 ≤ \bar{x} (N_{v_o}) ≤ 160 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			\bar{x} (A) ≥ 0.5 x \bar{x} (N_{v_o})? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			\bar{x} (B) ≥ 0.5 x \bar{x} (N_{v_o})? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			\bar{x} (C) ≥ 0.5 x \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} (wm) = 1.96 x 10 ⁸ ; lg N = 8.29
10 ⁻⁶	189	192	$N_o = N/10$; lg $N_o = 7.29$
10 ⁻⁷	27	24	7.17 ≤ lg N_o ≤ 7.70 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Control of weighted mean counts (N)			Quotient = 7.47 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} x 10)	lg $N_a =$	lg R = (lg N_o - lg N_a)	Status
1:40	30s	0	0	< 140	< 2.15	> 5.14	PASS

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Results: *Staphylococcus aureus* (NCTC 10788)

Validation and controls:

Validation suspension (N_{v_o})			Experimental conditions control (A)			Neutralizer or filtration control (B)			Method validation (C)		
Vc1	153	$\bar{x} =$	Vc1	117	$\bar{x} =$	Vc1	95	$\bar{x} =$	Vc1	111	$\bar{x} =$
Vc2	150	151.5	Vc2	113	115	Vc2	101	98	Vc2	111	111
30 ≤ \bar{x} (N_{v_o}) ≤ 160 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			\bar{x} (A) ≥ 0.5 x \bar{x} (N_{v_o})? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			\bar{x} (B) ≥ 0.5 x \bar{x} (N_{v_o})? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			\bar{x} (C) ≥ 0.5 x \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} (wm) = 2.15 x10 ⁸ ; lg N = 8.33
10 ⁻⁶	202	199	$N_o = N/10$; lg $N_o = 7.33$
10 ⁻⁷	38	33	7.17 ≤ lg N_o ≤ 7.70 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Control of weighted mean counts (N)			Quotient = 5.65 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} x10)	lg $N_a =$	lg R = (lg N_o - lg N_a)	Status
1:40	30s	0	0	<140	<2.15	>5.18	PASS

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Results: *Enterococcus hirae* (NCTC 13383)

Validation and controls:

Validation suspension (N_{v_o})			Experimental conditions control (A)			Neutralizer or filtration control (B)			Method validation (C)		
Vc1	100	$\bar{x} =$	Vc1	96	$\bar{x} =$	Vc1	89	$\bar{x} =$	Vc1	94	$\bar{x} =$
Vc2	104	102	Vc2	98	97	Vc2	93	91	Vc2	98	96
30 ≤ \bar{x} (N_{v_o}) ≤ 160 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			\bar{x} (A) ≥ 0.5 x \bar{x} (N_{v_o})? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			\bar{x} (B) ≥ 0.5 x \bar{x} (N_{v_o})? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			\bar{x} (C) ≥ 0.5 x \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} (wm) = 1.92 x10 ⁸ ; lg N = 8.28
10 ⁻⁶	192	196	$N_o = N/10$; lg $N_o = 7.28$
10 ⁻⁷	15	19	7.17 ≤ lg N_o ≤ 7.70 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Control of weighted mean counts (N)			Quotient = 11.41 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} x10)	lg $N_a =$	lg R = (lg N_o - lg N_a)	Status
1:40	30s	10	9	<140	<2.15	>5.13	PASS

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