



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

Certificate of Analysis

Sample(s) : One sample of Antibac Kitchen Sanitiser XBD750
07/08/2013

Received from: Bio-Productions Ltd. 72 Victoria Road,
Victoria Industrial Estate, Burgess Hill, RH15 9LZ

Date received: 9 August 2013 **Date tested:** 16 August 2013

Certificate no: 13H.068SF.BPL **Certificate date:** 19 August 2013

Sample ref: 13H/068 **Page:** 1 of 2

Analysis required: EN 13697, Chemical disinfectants and antiseptics -
Quantitative non-porous surface test for the evaluation of
bactericidal and/or fungicidal activity of chemical
disinfectants used in food, industrial, domestic and
institutional areas - Test method and requirements without
mechanical action (phase 2, step 2)

Product stored at: Room temperature

Active substance: Not declared

Test conditions: Dirty

Interfering substance: 3.0g/l bovine albumin

Product test concentration: Neat as received

Product diluent used during test: N/A

Appearance of product (dilution): Clear, colourless liquid

Contact time: 5 minutes

Test temperature: 20°C ± 0.5°C

Neutralising solution: 3% Polysorbate 80, 3g/l Lecithin,
1g/l L-cysteine, 1g/l L-histidine

Incubation temperature: 30°C ± 1°C

Identification of fungal/yeast strain(s) used: *Aspergillus niger* ATCC 16404
Candida albicans NCPF 3179

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Page: 2 of 2

Test results:

Test Organism	<i>Aspergillus niger</i>		<i>Candida albicans</i>		
Test Suspension (N = lg 0.05x)	10 ⁻⁵	Vc1 196	Vc2 204	Vc1 296	Vc2 294
	10 ⁻⁶	Vc1 14	Vc2 19	Vc1 33	Vc2 39
		N = 6.00		N = 6.17	
Toxicity Control (NC = lg 10x)	10 ⁻³	Vc1 184	Vc2 176	Vc1 258	Vc2 296
		NC = 6.26		NC = 6.44	
		N - NC ≤ 2		N - NC ≤ 2	
Dilution Control (NT = lg 10x)	10 ⁻³	Vc1 184	Vc2 176	Vc1 258	Vc2 296
		NT = 6.26		NT = 6.44	
		NC - NT ≤ ±0.3		NC - NT ≤ ±0.3	
Water Control (Nc = lg 10x)	10 ⁻³	Vc1 192	Vc2 199	Vc1 300	Vc2 274
	10 ⁻⁴	Vc1 21	Vc2 19	Vc1 31	Vc2 35
		Nc = 6.29		Nc = 6.46	
Results (Nd = lg 10x) (ME = Nc - Nd)	10 ⁰	Vc1 4	Vc2 5	Vc1 0	Vc2 0
	10 ⁻¹	Vc1 0	Vc2 0	Vc1 0	Vc2 0
		Nd = 1.65		Nd < 0.70	
	ME = 4.64		ME > 5.76		
Pass: ME ≥ 3	PASS		PASS		

N = lg of cfu/0.05ml of test suspension
Nd = lg of cfu per test surface

Nc = lg of cfu per control surface
ME = microbial effect

Requirements & Conclusion:

This sample of Antibac Kitchen Sanitiser XBD750, when tested neat, [passes the requirements of EN 13697 for fungicidal activity](#) in 5 minutes at 20°C under dirty conditions against both of the reference organisms detailed.

D C Watson