

Company Name: BG Products Inc

Contact Name: Mr John Buche

Purchase Order No: 12905

Report Date: 10/08/2020

Melbec Ref Number: 18052
No. of Samples: 1

Name of Test Product: Surface Disinfectant - Automotive Sanitizing Spray
Batch Number: #2

Sample Details:

Manufacture / Supplier:.....	BG Products Inc
Product storage conditions:.....	Ambient
Appearance of the product (as supplied):.....	Clear liquid
Appearance of the product (after dilution):.....	N/A
Appearance of product with interfering substance and test organism:	Opaque liquid
Active substance and concentration:.....	DDAC
Product dilutions/concentrations:.....	RTU
Diluent used to dilute product:.....	N/A

The test product was in satisfactory condition for testing when received.

Date product received: 18/06/20

Test Date: 25/06/20

Experimental Conditions:

Interfering substance:	Bovine Albumin (dirty 3.0g/l)
Test temperature:	18 to 25 °C
Contact time:	30 Minutes
Test organisms:	Candida albicans ATCC 10231 Aspergillus brasiliensis ATCC 16404

Incubation temperature: 30 degrees

Requirements of the Standard:

The test product shall demonstrate at least a 4 decimal logarithm (lg) reduction when tested in accordance with this standard under simulated dirty conditions.

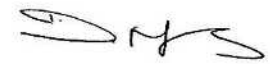
Conclusion:

For the product Surface Disinfectant - Automotive Sanitizing Spray, [Batch code #2] the log reduction requirements as specified in EN 1650:2019 (4 lg within the relevant contact time) were met.

Testing carried out by:

Name: Yvie Newall
Position: Senior Microbiologist

Report authorised by:



Name: Dawn Mellors
Position: Technical Director
Date: 10/08/2020

Test Results:

Neutralisation Method Used:

Membrane filtration

Rinsing Liquid Used: N7

***Candida albicans* ATCC 10231**

Validation and controls									Melbec Ref No	18052	
Validation suspension (Nv_0)			Experimental conditions control (A)			Neutralizer control (B)			Method validation (C) Product conc: RTU		
Vc 1	42	$\bar{X} =$	Vc 1	33	$\bar{X} =$	Vc 1	40	$\bar{X} =$	Vc 1	20	$\bar{X} =$
Vc 2	38	40	Vc 2	25	29	Vc 2	30	35	Vc 2	21	20.5
30 ≤ \bar{X} of Nv_0 ≤ 160? Yes			\bar{X} of A is ≥ 0.5 x \bar{X} of Nv_0 ? Yes			\bar{X} of B is ≥ 0.5 x \bar{X} of Nv_0 ? Yes			\bar{X} of C is ≥ 0.5 x \bar{X} of Nv_0 ? Yes		

Test suspension and test

Test suspension (N and N_0):	N	Vc 1	Vc 2	X wm 1.73E+07 ; lg N = 7.24
	10^{-5}	186	156	$N_0 = N/10$; lg N_0 = 6.24
	10^{-6}	21	<14	6.17 ≤ lg N_0 ≤ 6.70? Yes \bar{X} quotient = >5 and <15? 8.14

Conc. of the active (%)	10^{-x}	Vc 1	Vc 2	$Na = \bar{X}$	lgNa	lgR $N_0 =$ 6.24		Contact time	Result
RTU	-1	<14	<14	1.40E+02	<2.15		>4.09	30 Minutes	Pass

***Aspergillus brasiliensis* ATCC
 16404**

Validation and controls									Melbec Ref No	18052	
Validation suspension (N_{v_0})			Experimental conditions control (A)			Neutralizer control (B)			Method validation (C) Product conc: RTU		
Vc 1	54	$\bar{x} =$	Vc 1	44	$\bar{x} =$	Vc 1	33	$\bar{x} =$	Vc 1	27	$\bar{x} =$
Vc 2	44	49	Vc 2	38	41	Vc 2	32	32.5	Vc 2	26	26.5
30 ≤ \bar{X} of N_{v_0} ≤ 160? Yes			\bar{X} of A is ≥ 0.5 x \bar{X} of N_{v_0} ? Yes			\bar{X} of B is ≥ 0.5 x \bar{X} of N_{v_0} ? Yes			\bar{X} of C is ≥ 0.5 x \bar{X} of N_{v_0} ? Yes		

Test suspension and test

Test suspension (N and N_0):	N	Vc 1	Vc 2	X_m 3.75E+07 ; lg N = 7.57
	10^{-5}	>330	>330	$N_0 = N/10$; lg N_0 = 6.57
	10^{-6}	39	36	6.17 ≤ lg N_0 ≤ 6.70? Yes \bar{X} quotient = >5 and <15? N/A

Conc. of the active (%)	10^{-x}	Vc 1	Vc 2	$N_a = \bar{X}$	lg N_a	lgR $N_0 =$	6.57	Contact time	Result
RTU	-1	<14	<14	1.40E+02	<2.15		>4.43	30 Minutes	Pass
	-2	-	-						