

Company Name: Capella Solutions Group

Contact Name: Jim Bruce

Contact Email:

Purchase Order No: 12856-A

Report Date: 09/06/2020

Melbec Ref Number: 16499

No. of Samples: 1

Name of Test Product: Surface Disinfectant - PROXL SANITIZE AIR/SURFACE

Batch Number: #1

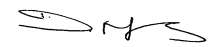
Conclusion:

For the product Surface Disinfectant - PROXL SANITIZE AIR/SURFACE, [#1] the log reduction requirements as specified in EN 1276:2019 (5 lg within the relevant contact time) were met.

Testing carried out by:

Name: Danika Weatherburn
Position: Lab Manager

Report authorised by:



Name: Dawn Mellors
Position: Technical Director
Date: 09/06/2020

Test Results:

Neutralisation Method Used:

Membrane filtration

Rinsing Liquid Used: N7

***Pseudomonas aeruginosa* ATCC
15442**

15442									Validation and controls			Melbec Ref No	16499
Validation suspension (Nv_0)			Experimental conditions control (A)			Neutralizer control (B)			Method validation (C) Product conc: RTU				
Vc 1	64	$\bar{X} =$	Vc 1	42	$\bar{X} =$	Vc 1	64	$\bar{X} =$	Vc 1	49	$\bar{X} =$		
Vc 2	62	63	Vc 2	29	35.5	Vc 2	76	70	Vc 2	44	46.5		
$30 \leq \bar{X} \text{ of } Nv_0 \leq 160?$ Yes			$\bar{X} \text{ of A is } \geq 0.5 \times \bar{X} \text{ of } Nv_0?$ Yes			$\bar{X} \text{ of B is } \geq 0.5 \times \bar{X} \text{ of } Nv_0?$ Yes			$\bar{X} \text{ of C is } \geq 0.5 \times \bar{X} \text{ of } Nv_0?$ Yes				

Test suspension and test

Test suspension (N and N_0):	N	Vc 1	Vc 2	$X_m = 3.35E+08$; $\lg N = 8.53$		
	10^{-6}	>330	>330	$N_0 = N/10$; $\lg N_0 = 7.53$		
	10^{-7}	38	29	$7.17 \leq \lg N_0 \leq 7.70?$ Yes		
				$\bar{X} \text{ quotient} = >5 \text{ and } <15?$ N/A		

Conc. of the active (%)	Vc 1	Vc 2	$Na = \bar{X} \times 10$	$\lg Na$	$\lg R$ $N_0 = 7.53$		Contact time	Result
RTU	<14	<14	1.40E+02	<2.15		>5.38	5 Minutes	Pass

***Staphylococcus aureus* ATCC
6538**

6538									Validation and controls			Melbec Ref No	16499
Validation suspension (Nv_0)			Experimental conditions control (A)			Neutralizer control (B)			Method validation (C) Product conc: RTU				
Vc 1	78	$\bar{X} =$	Vc 1	102	$\bar{X} =$	Vc 1	71	$\bar{X} =$	Vc 1	95	$\bar{X} =$		
Vc 2	69	73.5	Vc 2	81	91.5	Vc 2	66	68.5	Vc 2	85	90		
$30 \leq \bar{X} \text{ of } Nv_0 \leq 160?$ Yes			$\bar{X} \text{ of A is } \geq 0.5 \times \bar{X} \text{ of } Nv_0?$ Yes			$\bar{X} \text{ of B is } \geq 0.5 \times \bar{X} \text{ of } Nv_0?$ Yes			$\bar{X} \text{ of C is } \geq 0.5 \times \bar{X} \text{ of } Nv_0?$ Yes				

Test suspension and test

Test suspension (N and N_0):	N	Vc 1	Vc 2	X_m 3.00E+08 ; $\lg N =$ 8.48
	10^{-6}	>330	>330	$N_0 = N/10$; $\lg N_0 =$ 7.48
	10^{-7}	26	34	$7.17 \leq \lg N_0 \leq 7.70?$ Yes $\bar{X} \text{ quotient} = >5 \text{ and } <15?$ N/A

Conc. of the active (%)	Vc 1	Vc 2	$Na = \bar{X} \times 10$	$\lg Na$	$\lg R$ $N_0 =$ 7.48	Contact time	Result
RTU	<14	<14	1.40E+02	<2.15	>5.33	5 Minutes	Pass

***Escherichia coli* ATCC 10536**

chia coli ATCC 10536

Validation and controls									Melbec Ref No		16499	
Validation suspension (Nv_0)			Experimental conditions control (A)			Neutralizer control (B)			Method validation (C) Product conc: RTU			
Vc 1	100	$\bar{X} =$	Vc 1	95	$\bar{X} =$	Vc 1	81	$\bar{X} =$	Vc 1	65	$\bar{X} =$	
Vc 2	85	92.5	Vc 2	103	99	Vc 2	94	87.5	Vc 2	79	72	
$30 \leq \bar{X} \text{ of } Nv_0 \leq 160?$ Yes			$\bar{X} \text{ of A is } \geq 0.5 \times \bar{X} \text{ of } Nv_0?$ Yes			$\bar{X} \text{ of B is } \geq 0.5 \times \bar{X} \text{ of } Nv_0?$ Yes			$\bar{X} \text{ of C is } \geq 0.5 \times \bar{X} \text{ of } Nv_0?$ Yes			

Test suspension and test

Test suspension (N and N_0):	N	Vc 1	Vc 2	X_m 4.60E+08 ; $\lg N =$ 8.66
	10^{-6}	>330	>330	$N_0 = N/10$; $\lg N_0 =$ 7.66
	10^{-7}	45	47	$7.17 \leq \lg N_0 \leq 7.70?$ Yes $\bar{X} \text{ quotient} = >5 \text{ and } <15?$ N/A

Conc. of the active (%)	Vc 1	Vc 2	$N_a = \bar{X} \times 10$	$\lg N_a$	$\lg R$ $N_0 =$ 7.66		Contact time	Result
RTU	<14	<14	1.40E+02	<2.15		>5.52	5 Minutes	Pass

***Enterococcus hirae* ATCC 10541**

cus hirae ATCC 10541

Validation and controls									Melbec Ref No		16499	
Validation suspension (Nv_0)			Experimental conditions control (A)			Neutralizer control (B)			Method validation (C) Product conc: RTU			
Vc 1	62	$\bar{X} =$	Vc 1	50	$\bar{X} =$	Vc 1	61	$\bar{X} =$	Vc 1	60	$\bar{X} =$	
Vc 2	65	63.5	Vc 2	57	53.5	Vc 2	61	61	Vc 2	78	69	
$30 \leq \bar{X} \text{ of } Nv_0 \leq 160?$ Yes			$\bar{X} \text{ of A is } \geq 0.5 \times \bar{X} \text{ of } Nv_0?$ Yes			$\bar{X} \text{ of B is } \geq 0.5 \times \bar{X} \text{ of } Nv_0?$ Yes			$\bar{X} \text{ of C is } \geq 0.5 \times \bar{X} \text{ of } Nv_0?$ Yes			

Test suspension and test

Test suspension (N and N_0):	N	Vc 1	Vc 2	X_m 2.90E+08 ; $\lg N =$ 8.46
	10^{-6}	>330	>330	$N_0 = N/10$; $\lg N_0 =$ 7.46
	10^{-7}	27	31	$7.17 \leq \lg N_0 \leq 7.70?$ Yes $\bar{X} \text{ quotient} = >5 \text{ and } <15?$ N/A

Conc. of the active (%)	Vc 1	Vc 2	$N_a = \bar{X} \times 10$	$\lg N_a$	$\lg R$ $N_0 =$ 7.46		Contact time	Result
RTU	<14	<14	1.40E+02	<2.15		>5.32	5 Minutes	Pass