

Company Name: 24x7 (Trading) Ltd

Contact Name: Andy Mahoney

Contact Email:

Purchase Order No: 12856-A

Report Date: 11/03/2021

Melbec Ref Number: 16499

No. of Samples: 1

Name of Test Product: Surface Disinfectant - Covid Clear

Batch Number: #1

Sample Details:

Manufacture / Supplier:..... 24x7 (Trading) Ltd
Product storage conditions:..... Ambient
Appearance of the product (as supplied):..... Clear colourless
Appearance of the product (after dilution):..... N/A
Appearance of product with interfering substance and test organism: Opaque
Active substance and concentration:..... DDAC
Product dilutions/concentrations:..... Ready to Use (RTU)
Diluent used to dilute product:..... N/A

Incubation temperature: 36 degrees

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

Date product received: 23/04/20 Test Date: 27/04/20

Experimental Conditions:

Interfering substance: Bovine Albumin (dirty 3.0g/l)
Test temperature: 18 to 25 °C
Contact time: 5 Minutes
Test organisms: Pseudomonas aeruginosa ATCC 15442
Staphylococcus aureus ATCC 6538
Escherichia coli ATCC 10536
Enterococcus hirae ATCC 10541

Requirements of the Standard:

The test product shall demonstrate at least a 5 decimal logarithm (lg) reduction when tested in accordance with this standard under simulated clean or dirty conditions.

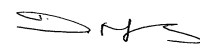
Conclusion:

For the product Surface Disinfectant - Covid Clear, [#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: 11/03/2021

Test Results:

Neutralisation Method Used:

Membrane filtration

Rinsing Liquid Used: N7

***Pseudomonas aeruginosa* ATCC
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**

Validation and controls									Melbec Ref No	16499	
Validation suspension (N_{v_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
$30 \leq \bar{X} \text{ of } N_{v_0} \leq 160?$ Yes			$\bar{X} \text{ of A is } \geq 0.5 \times \bar{X} \text{ of } N_{v_0}?$ Yes			$\bar{X} \text{ of B is } \geq 0.5 \times \bar{X} \text{ of } N_{v_0}?$ Yes			$\bar{X} \text{ of C is } \geq 0.5 \times \bar{X} \text{ of } N_{v_0}?$ 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	$N_a = \bar{X} \times 10$	$\lg N_a$	$\lg R$ $N_0 =$ 7.48	Contact time	Result
RTU	<14	<14	1.40E+02	<2.15	>5.33	5 Minutes	Pass

Escherichia coli ATCC 10536

Validation and controls									Melbec Ref No	16499	
Validation suspension (N_{v_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
$30 \leq \bar{X} \text{ of } N_{v_0} \leq 160?$ Yes			$\bar{X} \text{ of A is } \geq 0.5 \times \bar{X} \text{ of } N_{v_0}?$ Yes			$\bar{X} \text{ of B is } \geq 0.5 \times \bar{X} \text{ of } N_{v_0}?$ Yes			$\bar{X} \text{ of C is } \geq 0.5 \times \bar{X} \text{ of } N_{v_0}?$ 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

Validation and controls									Melbec Ref No	16499	
Validation suspension (N_{v_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
$30 \leq \bar{X} \text{ of } N_{v_0} \leq 160?$ Yes			$\bar{X} \text{ of A is } \geq 0.5 \times \bar{X} \text{ of } N_{v_0}?$ Yes			$\bar{X} \text{ of B is } \geq 0.5 \times \bar{X} \text{ of } N_{v_0}?$ Yes			$\bar{X} \text{ of C is } \geq 0.5 \times \bar{X} \text{ of } N_{v_0}?$ 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