

Company Name: Perfume Addict (UK) Ltd

Contact Name: Robert Sidebottom

Contact Email: robert.sidebottom@daintyandheaps.com

Purchase Order No: N/A

Report Date: 14/04/2020

Melbec Ref Number: 16138

No. of Samples: 1

Name of Test Product: Hand Sanitiser

Batch Number: 03042080 or 0320-001

Sample Details:

Manufacture / Supplier:..... Perfume Addict (UK) Ltd
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: Cloudy colourless
Active substance and concentration:..... Ethanol
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: 08/04/20 Test Date: 08/04/20

Experimental Conditions:

Interfering substance: Bovine Albumin (clean 0.3g/l)
Test temperature: 18 to 25 °C
Contact time: 60 Seconds
Test organisms: Pseudomonas aeruginosa ATCC 15442
Staphylococcus aureus ATCC 6538
Escherichia coli K12 NCTC 10538
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.

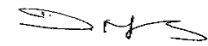
Conclusion:

For the product Hand Sanitiser, [03042080 or 0320-001] 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: Laboratory Manager

Report authorised by:



Name: Dawn Mellors
Position: Technical Director
Date: 14/04/2020

Test Results:

Neutralisation Method Used:

Dilution neutralisation by pour plate

Neutraliser used N1

***Pseudomonas aeruginosa* ATCC
15442**

Validation and controls									Melbec Ref No	16138	
Validation suspension (Nv_0)			Experimental conditions control (A)			Neutralizer control (B)			Method validation (C) Product conc: RTU		
Vc 1	110	$\bar{X} =$	Vc 1	61	$\bar{X} =$	Vc 1	87	$\bar{X} =$	Vc 1	72	$\bar{X} =$
Vc 2	97	103.5	Vc 2	60	60.5	Vc 2	54	70.5	Vc 2	69	70.5
$30 \leq \bar{X} \text{ of } Nv_0 \leq 160?$ 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 4.85E+08 ; $\lg N =$ 8.69
	10^{-6}	>330	>330	$N_0 = N/10$; $\lg N_0 =$ 7.69
	10^{-7}	49	48	$7.17 \leq \lg N_0 \leq 7.70?$ Yes $\bar{X} \text{ quotient} = >5 \text{ and } <15?$ N/A

Conc. of the active (%)	Vc 1	Vc 2	$Na = \bar{X} \times 10$	$\lg Na$	$\lg R$ $N_0 =$ 7.69	Contact time	Result
RTU	<14	<14	1.40E+02	<2.15	>5.54	60 Seconds	Pass

**Staphylococcus aureus ATCC
6538**

Validation and controls									Melbec Ref No	16138	
Validation suspension (N_{v_0})			Experimental conditions control (A)			Neutralizer control (B)			Method validation (C) Product conc: RTU		
Vc 1	104	$\bar{X} =$	Vc 1	92	$\bar{X} =$	Vc 1	108	$\bar{X} =$	Vc 1	149	$\bar{X} =$
Vc 2	90	97	Vc 2	68	80	Vc 2	103	105.5	Vc 2	99	124
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_{wm} 3.17E+08 ; $\lg N =$ 8.50
	10^{-6}	>330	327	$N_0 = N/10$; $\lg N_0 =$ 7.50
	10^{-7}	29	24	7.17 ≤ $\lg N_0$ ≤ 7.70? Yes \bar{X} quotient = >5 and <15? 12.34

Conc. of the active (%)	Vc 1	Vc 2	$N_a = \bar{X} \times 10$	$\lg N_a$	$\lg R$ $N_0 =$ 7.50	Contact time	Result
RTU	<14	<14	1.40E+02	<2.15	>5.35	60 Seconds	Pass

**Escherichia coli K12 NCTC
10538**

Validation and controls									Melbec Ref No	16138	
Validation suspension (N_{v_0})			Experimental conditions control (A)			Neutralizer control (B)			Method validation (C) Product conc: RTU		
Vc 1	60	$\bar{X} =$	Vc 1	103	$\bar{X} =$	Vc 1	112	$\bar{X} =$	Vc 1	73	$\bar{X} =$
Vc 2	51	55.5	Vc 2	98	100.5	Vc 2	97	104.5	Vc 2	54	63.5
$30 \leq \bar{X} \text{ of } N_{v_0} \leq 160?$ 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

	N	Vc 1	Vc 2	X_{wm}	$3.11E+08$	$\lg N =$	8.49
Test suspension (N and N_0):	10^{-6}	314	303	$N_0 = N/10$		$\lg N_0 =$	7.49
	10^{-7}	39	28	$7.17 \leq \lg N_0 \leq 7.70?$		Yes	
				$\bar{X} \text{ quotient} = >5 \text{ and } <15?$			9.21

Conc. of the active (%)	Vc 1	Vc 2	$N_a = \bar{X} \times 10$	$\lg N_a$	$\lg R$ $N_0 =$	7.49	Contact time	Result
RTU	<14	<14	1.40E+02	<2.15		>5.35	60 Seconds	Pass

Enterococcus hirae ATCC 10541

Validation and controls									Melbec Ref No	16138	
Validation suspension (N_{v_0})			Experimental conditions control (A)			Neutralizer control (B)			Method validation (C) Product conc: RTU		
Vc 1	68	$\bar{X} =$	Vc 1	60	$\bar{X} =$	Vc 1	185	$\bar{X} =$	Vc 1	81	$\bar{X} =$
Vc 2	60	64	Vc 2	49	54.5	Vc 2	132	158.5	Vc 2	81	81
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_{wm} 3.19E+08 ; $\lg N =$ 8.50
	10^{-6}	>330	327	$N_0 = N/10$; $\lg N_0 =$ 7.50
	10^{-7}	29	27	7.17 ≤ $\lg N_0$ ≤ 7.70? Yes \bar{X} quotient = >5 and <15? 11.68

Conc. of the active (%)	Vc 1	Vc 2	$N_a = \bar{X} \times 10$	$\lg N_a$	$\lg R$ $N_0 =$ 7.50	Contact time	Result
RTU	<14	<14	1.40E+02	<2.15	>5.36	60 Seconds	Pass