Abbott Analytical

Consulting Scientists to the Disinfectant Industry

Test Report

Product name:	Sanisafe 3 Wipes		
Batch or ref no:			
Manufacturer or supplier:	Allied Hygiene Systems Ltd 5 Centurion Way, Erith, DA18 4AF		
Sample ref:	17H/109	**Date received:**	16 August 2017
Date tested:	30 August 2017	**Certificate date:**	1 September 2017
Certificate no:	17H.109MMr.ALH	**Page:**	1 of 3
Analysis required:	EN 13727:2012+A2:2015, Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of bactericidal activity in the medical area - Test method and requirements (phase 2, step 1)		
Storage conditions:	Room temperature in darkness		
Appearance of product (solution):	Blue wipes (Clear colourless liquid)		
Active substance(s) and their concentration(s):	Not disclosed		

Notes

The test results in this report relate only to the sample(s) tested.
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Experimental conditions

Concentration(s) of product tested:	Neat solution squeezed from wipes
Product diluent:	N/A
Test organism(s):	Methicillin-resistant *Staphylococcus aureus* (NCTC 12493)#
Contact time(s):	1 min ± 5s
Test temperature:	20°C ± 1°C
Test conditions:	Dirty
Interfering substance:	3.0g/l bovine albumin + 3.0ml/l sheep erythrocytes
Method:	Dilution-neutralisation
Neutralising solution:	30g/l Polysorbate 80 + 3g/l Lecithin + 1g/l L-histidine + 1g/l L-cysteine
Incubation temperature:	36°C ± 1°C

mecA positive, Methicillin-resistant

Remarks

Products can only be tested at a concentration of 80% or less as some dilution is always produced by adding the test organisms.

Conclusion

When tested neat, the solution squeezed from this sample of Sanisafe 3 Wipes meets the requirements of EN 13727:2012+A2:2015 for bactericidal activity in 1 minute at 20°C, under dirty conditions, against the referenced strain of Methicillin-resistant *Staphylococcus aureus*.

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Results: Methicillin-resistant *Staphylococcus aureus* (NCTC 12493)

Validation and controls:

Validation suspension (Nv_o)			Experimental conditions control (*A*)			Neutralizer or filtration control (*B*)			Method validation (*C*)		
*Vc*1	*102*	$\bar{x}$ =	*Vc*1	*101*	$\bar{x}$ =	*Vc*1	*103*	$\bar{x}$ =	*Vc*1	*104*	$\bar{x}$ =
*Vc*2	*103*	102.5	*Vc*2	*98*	99.5	*Vc*2	*101*	102	*Vc*2	*103*	103.5
$30 \leq \bar{x}$ (*A*) ≤ 160 ? ☒ *yes* ☐ *no*			$\bar{x}$ (*A*) $\geq 0.5 \times \bar{x}$ (Nv_o)? ☒ *yes* ☐ *no*			$\bar{x}$ (*B*) $\geq 0.5 \times \bar{x}$ (Nv_o or $N_{VB}/1000$)? ☒ *yes* ☐ *no*			$\bar{x}$ (*C*) $\geq 0.5 \times \bar{x}$ (Nv_o)? ☒ *yes* ☐ *no*		

Validation suspension (N_{VB})	*Vc*1	*102*	$\bar{x}$ =	$30 \leq \bar{x}$ ($N_{VB}/1000$) ≤ 160 ?
	*Vc*2	*102*	102	☒ *yes* ☐ *no*

Test suspension:
(*N* and N_o)

N	*Vc*1	*Vc*2	$\bar{x}$(wm) = 3.21 x10^{8} ; lg *N* = 8.51
10^{-6}	*313*	*315*	$N_o = N/10$; lg N_o = 7.51
10^{-7}	*41*	*38*	$7.17 \leq \lg N_o \leq 7.70$? ☒ *yes* ☐ *no*
Control of weighted mean counts (*N*)			Quotient = 7.95 Between 5 and 15 ? ☒ *yes* ☐ *no*

Test:

Product test conc.	Contact time	Diln. step	*Vc*1	*Vc*2	*Na* = $\bar{x}$(wm) x10 lg *Na* =	lg *R* = (lg N_o – lg *Na*)	Status
Neat	*1 min*	10^{0}	*0*	*0*	< 2.15	> 5.36	*PASS*
		10^{-1}	*0*	*0*			

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