

Test Report EN 13704. *Clostridium difficile* endospores. Chemical disinfectants — Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas — (phase 2, step 1)

Test Laboratory

BluScientific Test Data

School of Life Sciences
Glasgow Caledonian University
GLASGOW
G4 0BA

Identification of sample

Name of the product

ACTIV8 VAPOURISATION FORMULA

Manufacturer

GREENBRIDGE
Unit 12 Londonderry Farm, Keynsham Road
Willsbridge, Bristol, BS30 6EL

Date of Delivery
Storage conditions
Product diluent
Active substances

4TH.MAY.07
Room temperature and darkness
Hard Water
Not known.

Test Method and its validation

Method

Filtration-neutralization
Neutralizer: Lecithin 3g/l, Polysorbate 80 30g/l, sodium
thiosulphate 5g/l, L-histidine 1g/l, phosphate buffer
0.0025mol/l, sterilized by autoclave.

Experimental Conditions

Period of analysis
Product diluent used
Product test concentrations
Appearance product dilutions
Contact time
Test temperature
Interfering substance
Stability of mixture
Temperature of incubation
Identification of strains

22nd to 25th MAY 2007
Sterile synthetic hard water
10.0 % V/V; 20.0 % V/V; 80.0 % V/V
Clear.
 $t = 60 \text{ min} \pm 10 \text{ s}$
 $20^\circ\text{C} \pm 1^\circ\text{C}$
0.3 g/l bovine albumin
No precipitation
 $37^\circ\text{C} \pm 1^\circ\text{C}$
Clostridium difficile NCTC 11209.

Conclusion.

According to EN 13704, ACTIV8 vapourisation formula possesses sporicidal activity for the referenced strain *Clostridium difficile* NCTC 11209 at the concentration 80 % V/V of the working concentration as tested..

Signed



Dr Chris Woodall, Director, BluScientific Test Data, 30TH MAY 2007.

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Bluscientific Test Data -2-

EN13704 *Clostridium difficile* NCTC 11209: ACTIV8, VAPOURISATION FORMULA, GREENBRIDGE.

Test organisms	Validation test				Spore test Suspension (5.4.1.4)	Test procedure at concentration % (v/v) (see 5.5.2)			
	Spore Suspension (see A.2)	Experimental conditions (see A.4.1a) and A.4.2a)]	Neutralizer toxicity control [see A.4.1b)] or filtration control [see A.4.2b)]	Dilution-neutralization control [see A.4.1c)] or filtration test control [see A.4.2c)]		10.0	20.0	80.0	
<i>Clostridium difficile</i>	Vc:200; 199	Vc:157; 201	Vc:215; 201	Vc:189; 151	10 ⁴ : 217; 204 10 ⁵ : 30; 40 N:2.2 x 10 ⁶	Vc Na R	185; 151 1.7 x 10 ³ <10 ³	15; 45 3.0 x 10 ² <10 ³	1; 8 <1.5 x 10 ² >10 ³
NCTC 11209	Nw:2.0 x 10 ³	A: 1.8 x 10 ²	A: 2.1 x 10 ²	A: 1.7 x 10 ²					
Vc = viable count									
N = number of cfu/ml of the spore test suspension (5.4.1.4)									
Nw = number of cfu/ml in the spore suspension (A.2)									
R = reduction in viability									
Na = number of cfu/ml in the test mixture (see 5.5.2.2.3 or 5.5.2.3.3)									
A = number of cfu/ml of the experimental conditions validation [A.4.1a) or A.4.2a)]									
B = number of cfu/ml of the neutralizer toxicity validation [A.4.1.b)] or of the filtration validation [A.4.2.b)]									
C = the number of cfu/ml of the dilution-neutralization validation [A.4.1.c)] or the membrane filtration test validation [A.4.2.c)]									

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Bluscientific Test Data is based in the School of Life Sciences at Glasgow Caledonian University.

