

BluScientific Test Data ⁻¹⁻

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
Manufacturer

ANTI-BAK POWDER

BIOTECHNICS

Upper Mill, Inverbervie, Aberdeenshire
UK - DD10 0SP.

Date of Delivery
Storage conditions
Product diluent
Active substances

8TH.AUGUST.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

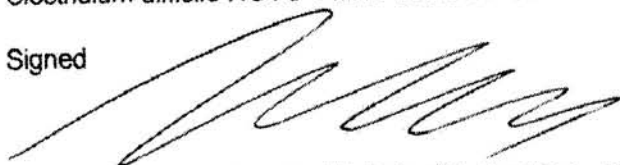
Period of analysis
Product diluent used
Product test concentrations
Appearance product dilutions
Contact time
Test temperature
Interfering substance
Stability of mixture
Temperature of incubation
Identification of strains

9TH - 12TH AUGUST 2007
Sterile synthetic hard water
0.5% W/V; 1.0% W/V; 1.5% W/V
Clear.
t = 60 min ± 10 s
20°C ± 1°C
0.3 g/l bovine albumin
No precipitation
37°C ± 1°C
Clostridium difficile NCTC 11209.

Conclusion.

According to EN 13704, the ANTI-BAK POWDER possesses sporicidal activity for the referenced strain
Clostridium difficile NCTC 11209 at the concentration 1.5% W/V as tested.

Signed



Dr Chris Woodall, Director, BluScientific Test Data, 20TH AUGUST 2007.

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EN13704 C. DIFF ENDOSPORES: ANTI-BAK POWDER, BIOTECHNICS LTD.

Test organisms	Validation test				Spore test Suspension (5.4.1.4)	Test procedure at concentration % (W/W) (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 or control (see A.4.2b))	Dilution-neutralization control (see A.4.1c)) or filtration or test control (see A.4.2c))		0.5	1.0	1.5	
<i>Clostridium difficile</i>	Vc: 155; 199 Nv: 1.8×10^3	Vc: 189; 197 A: 1.9×10^2	Vc: 182; 216 B: 2.0×10^2	Vc: 200; 140 C: 1.7×10^2	10^4 ; 210; 189 10^6 ; 25; 30 N: 2.1×10^6	Vc Na R	>300; > 3.0×10^3 < 10^3	>300 54; 101 7.8 x 10 ² <10 ³	0; 0 < 1.5×10^2 >10 ³
NCTC 11209.									

Vc = viable count

N = number of cfu/ml of the spore test suspension (5.4.1.4)

Nv = 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.4.1c)] or the membrane filtration test validation [a.4.2c)]