

BluScientific Test Data - 1 -

Test Report EN 1040. Chemical disinfectants and antiseptics – Suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas (phase 1).

Test Laboratory

BluScientific Test Data

School of Life Sciences
Glasgow Caledonian University
GLASGOW
G4 0BA

Identification of sample

Name of the product
Manufacturer

ASPERTICO
UNICO, NORT MAIN STREET, CARRONSHORE,
FALKIRK, SCOTLAND FK2 BHT.

Date of Delivery
Storage conditions
Product diluent
Active substances

21.6.2006
4°C 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

28th JUNE 2006
Sterile synthetic hard water
20% V/V; 50% V/V; 80% V/V
Clear.
t = 5 min ± 10 s
20°C ± 1°C
0.3 g/l bovine albumin
No precipitation
37°C ± 1°C
Pseudomonas aeruginosa ATCC 15442
Staphylococcus aureus ATCC 6538

Conclusion.

According to EN 1040 (1997), the ASPERTICO possesses bactericidal activity for the referenced strains *Pseudomonas aeruginosa* ATCC 15442 and *Staphylococcus aureus* ATCC 6538 at the working concentration (20% V/V as tested). In order to qualify the product as an antiseptic and or chemical disinfectant for a defined purpose, it will be evaluated using additional standard tests which are appropriate to its intended use.

Signed



Dr Chris Woodall
Director, BluScientific Test Data
8TH SEPTEMBER 2006.

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BluScientific Test Data -2-

EN1040: ASPERTICO. UNICO LIMITED.

Test organism	Viable count			
	Bacterial test suspension (see 5.4.1.4) (N)	Bacterial Suspension Nv (see A.2)	Neutralizer toxicity control (Nx) (see A.4.1.2)	Dilution-neutralization control (Ny) (see A.4.1.2)
<i>Pseudomonas aeruginosa</i> ATCC 15442	3.3×10^8	1.1×10^3	9.0×10^1	8.9×10^1
<i>Staphylococcus aureus</i> ATCC 6538	4.0×10^8	1.7×10^3	8.9×10^1	1.3×10^2
For the two strains tested: N is between 1.5×10^8 and 5.0×10^8 cfu/ml; Nv is between 6.0×10^2 and 3×10^3 cfu/ml; Nx is equal or greater than 0.05 Nv Ny is equal or greater than 0.05 Nv The neutralization is validated with the neutralizer tested for the test concentrations of 80% V/V of product as received and for the two strains tested.				

Test organism	Viable counts (cfu/ml) for test mixture (see 5.5.2.3)		
	Na at concentrations:		
	20.0% V/V	50.0% V/V	80.0% V/V
<i>Pseudomonas aeruginosa</i> ATCC 15442	$<1.5 \times 10^2$	$<1.5 \times 10^2$	$<1.5 \times 10^2$
<i>Staphylococcus aureus</i> ATCC 6538	$<1.5 \times 10^2$	$<1.5 \times 10^2$	$<1.5 \times 10^2$
Reduction in viability at test concentrations			
<i>Pseudomonas aeruginosa</i> ATCC 15442	$>2.2 \times 10^5$	$>2.2 \times 10^5$	$>2.2 \times 10^5$
<i>Staphylococcus aureus</i> ATCC 6538	$>2.7 \times 10^5$	$>2.7 \times 10^5$	$>2.7 \times 10^5$

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