



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

Certificate of Analysis

Sample(s) : One sample of Cleanitise

Received from: Enzo Products Ltd. Unit 59, Vale Business Park, Llandow, Cowbridge, CF71 7PF

Date received: 11 November 2009 **Date tested:** 16 November 2009

Certificate no: 09L.063MR.ENZ **Certificate date:** 18 November 2009

Sample ref: 9L/063 **Page:** 1 of 2

Analysis required: BS/EN 1276 quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants

Product stored at: Room temperature

Active substance: Not declared

Test conditions: 'Dirty'

Interfering substance: 3.0g/l bovine albumin

Product test concentration: 10.0% v/v

Product diluent used during test: Sterile hard water 300mg/l CaCO₃

Contact time: 5 minutes

Test temperature: 20°C ± 0.5°C

Neutralising solution: 30g/l polysorbate 80, 3g/l lecithin, 1g/l histidine, 1g/l cysteine

Incubation temperature: 37°C ± 1°C

Identification of bacterial strain(s) used: Methicillin-resistant ATCC 33591
Staphylococcus aureus

D C Watson

D C Watson BSc, CBiol, MIBiol, MIFST, ACIEHO
PO Box 95, New Ferry, Wirral, CH62 6HA
Tel: 0151 637 3331 Mob: 07767 871275
email: abbottanalytical@hotmail.co.uk



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

18 November 2009

Certificate No: 09L.063MR.ENZ

Page: 2 of 2

Test results:

Test Organism	MRSA	
Validation Suspension	10 ⁻¹	Vc1 366 Vc2 382
		Nv0 3.74 x10 ³
Experimental Control	10 ⁰	Vc1 333 Vc2 370
		A 3.52 x10 ²
Neutraliser Control	10 ⁰	Vc1 380 Vc2 322
		B 3.51 x10 ²
Method Validation	10 ⁰	Vc1 346 Vc2 318
		C 3.32 x10 ²
Test Suspension	10 ⁻⁶	Vc1 480 Vc2 568
	10 ⁻⁷	Vc1 28 Vc2 45
		N 4.45 x10 ⁸
Results	10 ⁻²	Vc 0
		Na <1.00 x10 ²
		R >4.45 x10 ⁶
Log ₁₀ Reduction	> 6.65	

Vc = Viable count
 Nv = cfu/ml in the validation suspension
 N = cfu/ml in the test suspension
 Na = cfu/ml in the test mixture
 R = Reduction in viability

Requirements & Conclusion:

To pass EN 1276 a log₁₀ reduction of at least 5 is required.

This batch of Cleanitise, when diluted to 10.0% v/v, passes the requirements of EN 1276 for bactericidal activity in 5 minutes at 20°C under 'dirty' conditions against the reference organism detailed.

D C Watson

D C Watson BSc, CBiol, MIBiol, MIFST, ACIEHO
 PO Box 95, New Ferry, Wirral, CH62 6HA
 Tel: 0151 637 3331 Mob: 07767 871275
 email: abbottanalytical@hotmail.co.uk