

ID-D201008025-1

Test Method: Evaluation of Fungicidal or Yeasticidal Activity, BS EN 1650:2008

Procedure: Dilution-neutralization Method

Test Product: STERLOC 100 ppm (Transparent liquid)

Apparatus: Autoclave, BOD Incubators,

Interfering substances: Bovine albumin solution 0.3gm/l

Neutralizer: DE Broth

Reference culture: Candida albicans ATCC 10231, Aspergillus niger ATCC 16404.

Culture Medium: Maximum recovery diluent, Tryptone soya agar

Test Temperature: 20 °C±1

Incubation Temperature: 30 ± 1 °C

Incubation Time: For Candida albicans – 42 to 48 hours

For Aspergillus niger – 3 to 4 days

Test Procedure: Dilution - neutralization

Interfering substance along with Test fungus and yeast are kept in contact with solution for the contact time 15 min. ± 10 sec. at the time end of the contact time, aliquots are withdrawn neutralized and surviving viable organisms are estimated.

Reduction in viability (R) is calculated from the number of viable cfu/ml in test suspension before (N) and after exposure (Na) validation of dilution - neutralization was carried out as per standard protocol.

Test-1

Validation Suspension (N_v) and Controls

Test Organisms	Validation suspension (N _v)	Experimental Condition control (A)	Neutralization (B)	Method validation (C)
Candida albicans ATCC 10231	820	80	79	81
Aspergillus niger ATCC 16404	680	65	70	67

Rishi Tiwari

Analyst Signature



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TEST REPORT

Test Suspension and Test (N & No)

Test Organisms	Test Count Initial (N) cfu/ml	IgN	Lg No (No=N/10)
Candida albicans ATCC 10231	3.8x10 ⁷	7.57	6.57
Aspergillus niger ATCC 16404	2.7x10 ⁷	7.43	6.43

Test Organisms	Contact Time	Contact Temp °C	Product Cone. %	Vc1	Vc2	Na=X x10	Lg Na	Lg R	% Reduction
Candida albicans ATCC 10231	15 Minute	20±1°C	1:1.25	<14	<14	<140	<2.15	>4.42	99.99 %
Aspergillus niger ATCC 16404	15 Minute	20±1°C	1:1.25	<14	<14	<140	<2.15	>4.28	99.99 %

Test Results

The Standard Fungicidal or Yeasticidal effect of Evaluation R≥4.0

COMMENT: When tested as specified, sample labeled Fungicidal or Yeasticidal effect **Pass** the Quantitative Assessment of Activity in 15 minute for Candida albicans and Aspergillus niger by BS EN 1650:2008 Test Method.

Rishi Tiwari

Analyst Signature



Authorised Signatory