

## Intertek India Pvt. Ltd. (Food Services)

Doc. No. IFSG/RE/QU/005

**ISSUED TO:**

**Green Hearts Pvt. Ltd.**  
**7/161, S.N Nagar, ernakulam,**  
**Kerala**

**TEST REPORT**

**LAB REFERENCE No. : IFS-200222055R1**

**Issue Date : 27/02/2020**

**Your Ref : TRF**

**Dated : 10/02/2020**

**Kind Attn: Vivek Menon P K**

Product Group: Biocides

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Sample Registration Date : 22/02/2020	Analysis Completion Date : 26/02/2020
Analysis starting Date : 22/02/2020	
Name of the Product : Effy Clean	
Quantity Received : ~50 ml in plastic bottle	
Sample's Details : NA	
Tests Required : Biological Test	
Sampling done by : Sample collected by Intertek	
SAMPLE TESTED AS RECEIVED	Reporting code: FS/CR/AT,

### TEST RESULTS

#### Biological Parameters

##### Test Organisms Used:

1. E. coli ( $3.2 \times 10^8$  CFU/ml)
2. Enterococcus ( $3.6 \times 10^8$  CFU/ml)
3. Staphylococcus ( $4.3 \times 10^8$  CFU/ml)
4. Pseudomonas ( $2.2 \times 10^8$  CFU/ml)
5. Candida albicans ( $1.4 \times 10^7$  CFU/ml)
6. Aspergillus niger ( $1.1 \times 10^7$  CFU/ml)

**Quantity of the Sample:** 450 ml

**Dilution Medium Used:** TSA, MEA, Hard Water (D/E Neutralizing Broth)

**Method of Sterilization:** N/A

**Contact Time:** 30 Sec

**Concentration(Dilution):** 5% aqueous solution of the product

#### Results:

Effy Clean in contact with fungal suspension on shaker for 30 Sec shows -

Sample Identification	Test Organism	No. of Bacteria per sample (CFU/sample)		Percentage reduction of bacteria (R) %
		Inoculated Sample at 0 hrs (B)	Inoculated Sample at 30 sec (A)	
IFS-200222055	Candida albicans	$185 \times 10^3$	$14 \times 10^1$	99.9
IFS-200222055	Aspergillus niger	$161 \times 10^3$	$11 \times 10^1$	99.9



(Authorized Signatory)  
**SANDEEP TYAGI**  
Section In-charge

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Sample Registration Date : 22/02/2020	Analysis Completion Date : 26/02/2020
Analysis starting Date : 22/02/2020	
Name of the Product : Effy Clean	
Quantity Received : 450ml in plastic bottle	
Sample's Details : NA	
Tests Required : Biological Test	
Sampling done by : Sample collected by Intertek	
SAMPLE TESTED AS RECEIVED	Reporting code: FS/CR/AT,

### TEST RESULTS

**Results:**

Effy Clean in contact with bacterial suspension on shaker for 30 sec shows-

Sample Identification	Test Organism	No. of Bacteria per sample (CFU/sample)		Percentage reduction of bacteria (R) %
		Inoculated treated Sample at 0 hrs (B)	Inoculated treated Sample at 30 sec (A)	
IFS-200222055	E. coli	92 x 10 <sup>4</sup>	8 x 10 <sup>1</sup>	99.9
	Enterococcus	68 x 10 <sup>4</sup>	16 x 10 <sup>1</sup>	99.9
	Staphylococcus aureus	62 x 10 <sup>4</sup>	38 x 10 <sup>1</sup>	99.9
	Pseudomonas	73 x 10 <sup>4</sup>	19 x 10 <sup>1</sup>	99.9

**REMARKS:**

1. CFU: Colony Forming Unit = No of Microorganisms
2. Percentage Reduction of Microorganism (R)

**INTERPRETATION:** Below the interpretation is for sample showing antimicrobial activity towards E. coli, Enterococcus, Staphylococcus aureus, Pseudomonas, *Candida albicans* respectively when tested according to EN-13697:2015 Method. Effy Clean as IFS-200222055 has shown 99.9% and 99.9%,99.9%,99.9%,99.9%,99.9%.

**Remark:** R1= First Revision in the submitted Report- sample not subjected to reanalysis, "This report cancels and supersedes the report No. IFS-20022055 dated 26/02/2020 issued by Intertek India Pvt. Ltd."

**Note:** The above results pertain only to the sample tested and applicable parameter.

\*\*\*\*\*END OF TEST REPORT\*\*\*\*\*



(Authorized Signatory)

SANDEEP TYAGI  
Section In-charge

