

Guangdong Detection Center of Microbiology

Report For Analyses

Rep.No: 2020FM03476R02

Sample Name: YEARUP Disinfectant Tablet

Received Date:29-02-2020

Test Items : Simulated qualification Test of Disinfection

Completion Date:6-4-2020

Effectiveness on Disinfect Fruits and Vegetables

1.Equipments :

1-Samples : YEARUP/ Disinfectant Tablet

2-Neutralizer : 3% Tween 80% ,0.5% Sodium Thiosulfate ,0.5%L Histidine ,0.5%peptone,0.85%Sodium Chloride,1.43%Lechtin ,0.1%Half PBS Solution of Cysteine .

4-Disinfection Object : Tomato

5-Timer and Graduation Straws (1.0ml,5.0ml,10.0ml) etc

2.Method :

Method Introduction) 1- Test was Conducted According to Heath Ministry <Disinfection Technical Standard >,< 2002 Edition> Part 2-2.1.2.10, Put a (5cm×5cm) board at the Surface of Tomato ,Use Soaked Cotton Pad To Take Samples , Go There And Back 8Times ,After Taking Samples ,Cut The end of Taking Sample Pad And Put it Into 5ml in Dilution Tube ,As Positive Set

2- - Soak Tomato into Test Samples With Concentration of 100mg/L To Disinfect ,Place it Nearby Positive Set Then Take Samples as positive set Method , Cut The end of Taking Sample Pad And Put it Into 5ml in Neutralizer Tube ,As Test Sample.

3- Put positive Set, Negative Set And Disinfect Set 'Samples ,Every Sample Has 2 Inoculation Plate ,Every Plate is 1.0ml , Inoculate With Agar pour method , Put it in Box With Constant Temperature of37.0° For48H,Count Live and Killed Bacteria .

3.Result:

Under Experiment Conditions , Samples in Concentration of 100mg/L For 10Min, Repeated 3 Times, average of Killed Bacteria on Work Desk Natural Bacteria 1.75, Every Time When Repeating Experiment The Average of Killed Bacteria is **5.0** (View Table)

Guangdong Detection Center of Microbiology

Report For Analyses

Rep.No: 2020FM03476R02

Sample Name: YEARUP/ Disinfectant Tablet

Received Date:29-02-2020

Test Items : Simulated qualification Test of Disinfection

Completion Date:6-4-2020

Effectiveness on Disinfect Fruits and Vegetables

Test Results As Follows :

Table1: Concentration of YEARUP Disinfectant Tablet (100mg) Disinfection simulation test of Natural Bacteria on Surface of Tomato

No.	Number of Bacteria on Positive Set (cfu/sample)	Number of Bacteria on Test Set (cfu/sample)	Killed Bacteria Positive Set Logarithmic Value (cfu/sample)
1	1.3×10^3	53	1.40
2	2.2×10^3	85	1.40
3	1.4×10^3	25	1.75
4	1.4×10^3	65	1.32
5	4.6×10^3	55	1.92
6	3.9×10^3	18	2.34
7	3.4×10^3	25	2.13
8	3.3×10^3	95	1.53
9	3.5×10^3	33	2.03
10	2.8×10^3	65	1.63
11	1.8×10^3	85	1.33
12	2.0×10^3	20	2.00
13	5.1×10^3	35	2.16
14	4.3×10^3	35	2.08
15	2.3×10^3	45	1.70
16	2.2×10^3	25	1.93

17	2.3×10^3	30	1.89
18	1.1×10^3	28	1.61
19	4.2×10^3	65	1.81
20	5.4×10^3	58	1.97
21	5.0×10^3	50	2.00
22	1.6×10^3	35	1.65
23	2.0×10^3	65	1.49
24	4.4×10^3	33	2.13
25	1.3×10^3	43	1.47
26	6.3×10^3	43	2.17
27	1.3×10^3	85	1.18
28	1.7×10^3	63	1.43
29	1.7×10^3	80	1.33
30	2.1×10^3	35	1.78
Average Value 2.8×10^3		49	1.75

Negative Set :There's No Viable Bacteria .

4.Conclusion :

Samples in Concentration of 100mg/L For 10Min, Repeated 3Times, Logarithmic average of Killed Bacteria on Tomato Natural Bacteria 1.75 , According to Regulations of Disinfection Technical Standard ,< 2002 Edition> 2.1.2.10.4 (All Samples Killed Bacteria Average ≥ 5),So Its Qualified As Disinfectant .