

Test Report

Applicant: Nan Ya Plastics Corporation
No.6, Wen MIn Road.,
Kuei Shan Hsiang, Taoyuan County,
Taiwan (R.O.C.)

Number : TWNC01002021

Date Issued : Jul 27, 2021

Sample Description:

One (1) group of submitted samples said to be :

Item Name : Anti-Bacteria Hollow Conjugate Staple Fiber
Item No. : 7Dx64mm A1-CN63254
Color : White
Quantity : 1 Group
Manufacturer : Nan Ya Plastics Corporation
Country of Origin : Taiwan
Date Sample Received : Jul 15, 2021
Date Test Started : Jul 15, 2021

Test Conducted:

As requested by the applicant, for details please refer to attached pages.

Authorized By:
On behalf of Intertek Testing Services
Taiwan Limited

Carol Peng
General Manager



Signed by:



Thomas Chou
Manager



Test Conducted :

1. Anti-Bacterial Activity Test (Quantitative):

As per standard test method ASTM E2149-20.

Test Culture : *Escherichia coli* (ATCC 25922)
 Test Specimen : Middle Of Submitted Samples (1 gram with 50 ml Working Dilution Of Bacterial Inoculum Per Trial)
 Sterilization Of Sample Before Test : No Sterilization
 Buffer Solution : Phosphate Buffer
 Broth Media : Tryptic Soy Broth
 Wetting Agent : 0.01% DC Q2-5211
 Contact Time : 24 Hour ±5 Mins
 Incubation Temperature : 35±2°C
 Incubation Period : 24 Hours
 Agar Medium : Plate Count Agar

Result:

Name Of Test Bacteria (Strain Number)	<i>Escherichia coli</i> (ATCC 25922)
Initial Count	1.5×10 ⁵ CFU/ml
The number of bacteria recovered from the inoculum only flask after the specified contact time (b)	6.6×10 ⁷ CFU/ml
The number of bacteria recovered from the containing the treated sample after the specified contact time (a)	2.1×10 ⁴ CFU/ml
Percent reduction of Bacteria	99.97%

Calculation: Percent reduction of bacteria = (b-a)/b × 100%

Remark : CFU = Colony forming unit





End of Report

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