



TEST REPORT

Technical Report: (6721)041-0838

February 20, 2021

Date Received: February 10, 2021

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THREAD INDIA LIMITED

ATTN: NAYAN VERMA

LOHIA INDUSTRIAL COMPLEX, CHAUBEPUR, KANPUR-209203

Sample Description: NATURAL WHITE NYLON THREAD
(210 DENIER NYLON66)

Sample Condition: SAMPLE RECEIVED IN GOOD CONDITION

Color:	NATURAL WHITE	Style No. & Article No.	TEMPORARY ART. NO. 11580
Order No.:	/	Factory Name:	/
Thickness:	/	Buyer Name:	/
Age Grade:	/	Product End Use:	/
Vendor:	THREADS INDIA LIMITED	Retest No.:	/
Supplier/ Manufacturer:	/	Supplier Reference:	/
Pre-Testing for (Client Name):	/	Country :	INDIA
Test Period:	February 11, 2021 to February 20, 2021	Country of Destination:	/

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ANTIBACTERIAL ACTIVITY OF TEXTILE PRODUCTS- JIS L 1902: 2015	DATA	See Results

NOTE: The test has been subcontract to third party lab.

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (INDIA) PVT. LTD.

SIGNATORIES

CHHATISH KUMAR NATH
(Dy. Manager – Analytical)

RAHUL SRIVASTAVA
(Manager – Analytical)

PLEASE CONTACT:

FOR ANY TECHNICAL ISSUES: SUMANTA KUMAR SWAIN

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FOR ANY INVOICING MATTER: MR. AMIT ROY

E. MAIL: amit.roy@in.bureauveritas.com PHONE NO: 0120-4368116

C/N: (6721)041-0838 RS/AS

"Pls. refer the website www.nabl-india.org to view our Scope of accredited Test"

Bureau Veritas Consumer
Products Services (India) Pvt. Ltd.,
C-19, Sec – 7 Noida (U.P.) 201301
PH: 4368283/205

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PHOTO OF THE SUBMITTED SAMPLE



Tested Item(s) : A NATURAL WHITE NYLON THREAD

TEST RESULT

Name of Test : Test Method of Antimicrobial Activity of Textile Products- JIS L 1902: 2015

Test Organisms : Staphylococcus aureus ATCC 6538 & Klebsiella Pneumoniae ATCC 4532

Test Conditions :

- 1. Contact Time** : 24 Hours
- 2. Incubation Temp** : 37°C +/- 2°C
- 3. Neutralizer Used** : SCDLP
- 4. Media and Reagent** : TSA Agar
- 5. Incubation Period** : 48 Hours

Test Organism	S. aureus		K. pneumoniae	
Concentration of Inoculum (CFU/ml)	2.1 X 10 ⁵		2.4 X 10 ⁵	
Difference of extremes for three Control specimens (log) (condition: less than 1)	0h	24h	0h	24h
	5.34	6.94	5.39	7.10
Growth value of F (F= log Ct- log C0)	1.61		1.71	
Difference of extremes for three Control specimens (log) (condition: less than 2)	0h	24h	0h	24h
	5.35	4.68	5.38	4.86
Growth value of G (G= log Tt- log T0)	-0.67		-0.52	
Antibacterial Activity value (A=F-G)	2.28		2.22	
Percentage Reduction	99.46		99.39	
Efficacy of Antibacterial property	Significant 2 ≤ A <3, Strong A ≥ 3			
Where, Ct = Logarithm of number of bacteria after 24hrs incubation of Control specimen (Standard cloth) C0 = Logarithm of number of bacteria after incubation of Control specimen (Standard cloth) Tt = Logarithm of number of bacteria after 24hrs incubation of Test specimen. T0 = Logarithm of number of bacteria after incubation of Test specimen.				
Remarks	The sample shows antibacterial activity			

END



TEST REPORT

Technical Report: (6721)041-0841

February 20, 2021

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Page 1 of 3

THREAD INDIA LIMITED

ATTN: NAYAN VERMA

LOHIA INDUSTRIAL COMPLEX, CHAUBEPUR, KANPUR-209203

Sample Description: NATURAL WHITE NYLON THREAD
(210 DENIER NYLON6)

Sample Condition: SAMPLE RECEIVED IN GOOD CONDITION

Color:	NATURAL WHITE	Style No. & Article No.	TEMPORARY ART. NO. 11579
Order No.:	/	Factory Name:	/
Thickness:	/	Buyer Name:	/
Age Grade:	/	Product End Use:	/
Vendor:	THREADS INDIA LIMITED	Retest No.:	/
Supplier/ Manufacturer:	/	Supplier Reference:	/
Pre-Testing for (Client Name):	/	Country :	INDIA
Test Period:	February 11, 2021 to February 20, 2021	Country of Destination:	/

SUMMARY OF TEST RESULTS

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BUREAU VERITAS CONSUMER PRODUCTS SERVICES (INDIA) PVT. LTD.

SIGNATORIES

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PHOTO OF THE SUBMITTED SAMPLE



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	5.34	6.94	5.39	7.10
Growth value of F (F= log Ct- log C0)	1.61		1.71	
Difference of extremes for three Control specimens (log) (condition: less than 2)	0h	24h	0h	24h
	5.35	4.73	5.37	4.90
Growth value of G (G= log Tt- log T0)	-0.61		-0.47	
Antibacterial Activity value (A=F-G)	2.22		2.18	
Percentage Reduction	99.39		99.33	
Efficacy of Antibacterial property	Significant 2 ≤ A <3, Strong A ≥ 3			
Where, Ct = Logarithm of number of bacteria after 24hrs incubation of Control specimen (Standard cloth) C0 = Logarithm of number of bacteria after incubation of Control specimen (Standard cloth) Tt = Logarithm of number of bacteria after 24hrs incubation of Test specimen. T0 = Logarithm of number of bacteria after incubation of Test specimen.				
Remarks	The sample shows antibacterial activity			

END