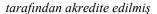
TÜRKAK

TÜRK AKREDİTASYON KURUMU TURKISH ACCREDITION AGENCY







EKOTEKS LABORATUVAR ve GÖZETİM HİZMETLERİ A.Ş.

Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar İstanbul/ TÜRKİYE

AB-0583-T

18027890

07-18

EKOTEKS

TEST REPORT *DENEY RAPORU*

Customer name: ARITEKS BOYACILIK TİCARET VE SAN. A.Ş.

Address: Velimeşe OSB Mah. Hacı Şeremet 5. Sokak 9/9 ERGENE/ TEKİRDAĞ

Buyer name:

Contact Person: ÖZGÜR KUŞKU

Order No:

Article No:

Name and identity of test item: One sample of (claimed to be 100% PES; YELLOW) neon yellow woven

fabric.

The date of receipt of test item: 10.07.2018

Re-submitted/re-confirmation

date:

Date of test: 10.07.2018-16.07.2018

Remarks:

Sampling: The results given in this report belong to the received sample by vendor.

End-Use:

Care Label: Not specified.

Number of pages of the report: 4

The Turkish Accreditation Agency (TURKAK) is signatory to the multilateral agreements of the European co-operation for the Accreditation (EA) and of the International Laboratory Accreditation (ILAC) for the Mutual recognition of test reports.

The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Seal Date Customer Representative Head of Testing Laboratory
17.07.2018 N. Fisun EROL Sevim A. RAZAK

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REQUIRED TESTS	RESULT	COMMENTS
MICROBIOLOGICAL TESTS		
Determination of Antibacterial Activity	-	
	<u>.</u>	
No requirement was given by vendor.		

REMARK: Original samples are kept for 3 months and all technical records are kept for 5 years unless otherwise specified. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95 %. Tests marked (*) in this report are not included in the accreditation schedule.



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TEST RESULTS

Test Method: ASTM E2149:2013a

RESULTS	
Untreated (Control) Sample Treated (Test) Sample	
after specified contact time*	after specified contact time*
1.50x10 ⁶ cfu/ml	< 30 cfu/ml
6.18 log	-

^{*}The amount of growing bacteria on fabric cfu: colony forming units

Antimicrobial Activity	RESULT	Evaluation
Reduction, %	% 99.99	Effective

Mikroorganism	Staphylococcus aureus (ATCC 6538 (Gram(+))
Bacterial concentration (cfu/ ml)	2.83 x10 ⁵
Inoculum volume	50 ml
Size of sample	1g
Number of washing	-
Washing method	-
Incubation time, temperature	24 hours, $35^{\circ}C \pm 2^{\circ}C$
Contact time	24 hours

R %= Reduction is calculated by the following formula;

R=((C-A)/C)x100

A = CFU per millilitre for the flask containing the treated substrate after the specified contact time.

B= CFU per millilitre for the 'inoculum only' flask after the specified contact time.

C = CFU per millilitre for the flask containing the untreated substrate after the specified contact time.

EKOTEKS LABORATUVAR ve GÖZETİM HİZMETLERİ A.Ş.

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TEST RESULTS

Test Method: ASTM E2149:2013a

<u>RESULTS</u>	
Untreated (Control) Sample	Treated (Test) Sample
after specified contact time*	after specified contact time*
5.20x10 ⁶ cfu/ml	< 30 cfu/ml
6.72 log	-

^{*}The amount of growing bacteria on fabric cfu: colony forming units

Antimicrobial Activity	RESULT	Evaluation
Reduction, %	% 99.99	Effective

Mikroorganism	Esherichia coli (ATCC 25922 (Gram(-))
Bacterial concentration (cfu/ ml)	2.43 x10 ⁵
Inoculum volume	50 ml
Size of sample	1g
Number of washing	-
Washing method	-
Incubation time, temperature	24 hours, $35^{\circ}C \pm 2^{\circ}C$
Contact time	24 hours

R %= Reduction is calculated by the following formula;

R=((C-A)/C)x100

A = CFU per millilitre for the flask containing the treated substrate after the specified contact time.

B= CFU per millilitre for the 'inoculum only' flask after the specified contact time.

C = CFU per millilitre for the flask containing the untreated substrate after the specified contact time.