



**EKOTEKS**

**EKOTEKS LABORATUVAR ve GÖZETİM  
HİZMETLERİ A.Ş.**

Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar  
İstanbul/ TÜRKİYE



Test  
TS EN ISO/IEC 17025  
AB-0583-T

**TEST REPORT  
DENEY RAPORU**

AB-0583-T
20018137- ing
06-20

**Customer name:** ARITEKS BOYACILIK TİCARET VE SAN. A.Ş.  
**Address:** Hacı Şeremet 4. Sok. 59850 YULAFLI/ ÇORLU/ TEKİRDAĞ  
**Buyer name:** -  
**Contact Person:** ÖZGÜR KUŞKU  
**Order No:** -  
**Article No:** Arox T2 WR Antibac.5030  
**Name and identity of test item:** One sample of white woven fabric.  
**The date of receipt of test item:** 08.06.2020  
**Re-submitted/re-confirmation date:** -  
**Date of test:** 08.06.2020-18.06.2020  
**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:** 3

*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.*

*EKOTEKS LABORATUVAR ve GÖZETİM HİZMETLERİ A.Ş. accredited by TÜRKAK under registration number [AB-0583-T] for ISO 17025:2017 as test laboratory.*

*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**  
19.06.2020

**Customer Representative**  
Özlem ULUS

**Head of Testing Laboratory**  
Sevim A. RAZAK  
19.06.2020

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REQUIRED TESTS	RESULT	COMMENTS
<b>MICROBIOLOGICAL TESTS</b>		
Determination of Antibacterial Activity	-	
No requirements were given by vendor.		

REMARK: Original samples are kept for 3 months and all technical records are kept for 5 years unless otherwise specified. If requested, measurement uncertainty will be reported. But unless otherwise specified, measurement uncertainty is not considered while stating compliance with specification or limit values. 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** Standard Test Method for Determining the Antimicrobial Activity of Antimicrobial Agents Under Dynamic Contact Conditions

<b>RESULTS</b>	
<b>Inoculum Control</b>	<b>Treated (Test) Sample</b>
<b>after specified contact time*</b>	<b>after specified contact time*</b>
$7.9 \times 10^5$ cfu/ml	$2.4 \times 10^4$ cfu/ml
5.90 log	4.38 log

\*The amount of growing bacteria on fabric  
cfu: colony forming units

<b>Antimicrobial Activity</b>	<b>RESULT</b>	<b>Evaluation</b>
<b>Reduction, %</b>	<b>96.96 %</b>	-

Mikroorganism	<i>Staphylococcus aureus</i> (ATCC 6538 (Gram(+)))
Bacterial concentration (cfu/ ml )	$2.52 \times 10^5$
Inoculum volume	50 ml
Size of sample	1g
Number of washing	50
Washing method	3N@30 °C, flat dry (without detergent)
Incubation time, temperature	24 hours, 35 °C $\pm$ 2 °C
Contact time	24 hours

R %= Reduction is calculated by the following formula;

$$\%R = ((B-A)/B) \times 100$$

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.