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**EKOTEKS LABORATUVAR ve GÖZETİM**  
**HİZMETLERİ A. Ş.**  
Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar  
İstanbul/ TÜRKİYE

**TEST REPORT**  
**DENEY RAPORU**

AB-0583-T

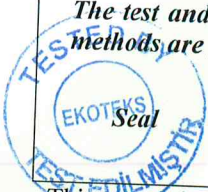
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**Customer name:** RAPİDO MOBİLYA DEKORASYON TAAH. SAN. TİC. A.Ş.  
**Address:** O.S.B Avar Cad. No:3 ANKARA  
**Buyer name:** -  
**Contact Person:** TAYFUN ATEŞ  
**Order No:** -  
**Article No:** P/T 1.8  
**Name and identity of test item:** One sample of cream foam.  
**The date of receipt of test item:** 27.11.2015  
**Re-submitted/re-confirmation date:** 01.12.2015  
**Date of test:** 01.12.2015-15.12.2015  
**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:** 5

*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.*



**Date**  
15.12.2015

**Person in charge of test**  
Behiye SAŞMAZ

**Head of Testing Laboratory**  
Sevin A. RAZAK

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Testing reports without signature and seal are not valid.

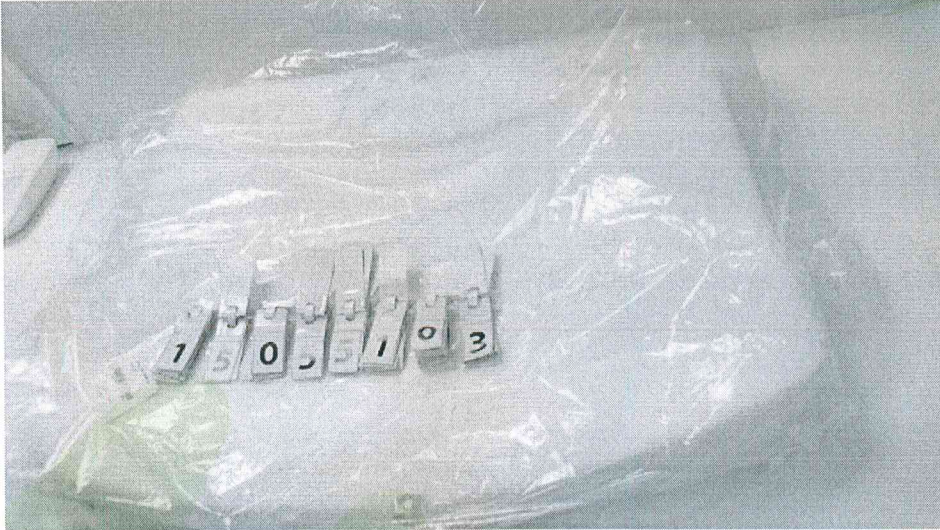
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REQUIRED TESTS	RESULT	COMMENTS
<b>MICROBIOLOGICAL TESTS</b>		
Antibacterial Activity / ASTM E2149:2013a	-	
Antibacterial Activity / AATCC 30:2013	-	
No requirements were given.		

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 RESULT

Test Method : ASTM E2149:2013a

<b>RESULTS</b>	
<b>Untreated (Control) Sample</b>	<b>Treated (Test) Sample</b>
<b>after specified contact time*</b>	<b>after specified contact time*</b>
$1.56 \times 10^4$ cfu/ml	$1 \times 10^1$ cfu/ml
4.19 log	1 log

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

<b>Antimicrobial Activity</b>	<b>RESULT</b>	<b>Evaluation</b>
<b>Reduction, %</b>	<b>% 99.9</b>	Effective

Mikroorganism	<i>Staphylococcus aureus</i> (ATCC 6538 (Gram(+)))
Bacterial concentration (cfu/ ml )	$2.5 \times 10^5$
Inoculum volume	50 ml
Size of sample	1g
Number of washing	-
Washing method	-
Incubation time, temperature	24 hours, $35^\circ\text{C} \pm 2^\circ\text{C}$
Contact time	24 hours

R %= Reduction is calculated by the following formula;

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

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

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

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## TEST RESULTS

**DETERMINATION OF ANTIFUNGAL ACTIVITY: AATCC 30:2013 (Test III- Agar Plate)**

<b>Zone of inhibition (mm) <sup>(1)</sup></b>	<b>Growth of microorganisms <sup>(2)</sup></b>	<b>Result</b>
Was not observed	Was not observed	Effective

<sup>(1)</sup> Inhibition area around the width of clear zone surrounding test specimen (mm)

<sup>(2)</sup> Growth microorganisms on the fabric / not observed

Microorganism	<i>Aspergillus niger</i> ( ATCC 6275 )
Incubation conditions	28±1°C
Incubation periods	7 days
Diameter of test specimens	3.8 cm
Culture medium	<i>Sabouraud 4 % Glucose Agar</i>