



EKOTEKS

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



TEST REPORT
DENEY RAPORU

AB-0583-T
20026402- ing
08-20

Customer name: ALLIANCE KUMAŞ SAN. VE DIŞ. TİC. LTD.ŞTİ
Address: BEYLİKDÜZÜ OSB MAH. KARANFİL CAD. NO:5 ZEMİN KAT
BEYLİKDÜZÜ/İST
Buyer name: DRY&MORE
Contact Person: GÖKHAN EFE UYSAL
Order No: -
Article No: -
Name and identity of test item: One sample of white woven towel.
The date of receipt of test item: 28.07.2020
Re-submitted/re-confirmation date: -
Date of test: 28.07.2020-07.08.2020
Remarks: -
Sampling: The results given in this report belong to the received sample by vendor.
End-Use: Home Textile /Towel
Care Label: -
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.

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 07.08.2020	Customer Representative Ahmet ÇİRKİN	Head of Testing Laboratory Sevim A. RAZAK 07.08.2020
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REQUIRED TESTS	RESULT	COMMENTS
MICROBIOLOGICAL TESTS		
Antibacterial Activity	P	
PHYSICAL PROPERTIES TESTS		
Fibre Composition	P	
Fabric Weight ⁽¹⁾	-	
Determination Absorption ⁽¹⁾	-	
P: Pass F: Fail R: Refer to retailer technologist		
⁽¹⁾ 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.

Gen.f136-1/03



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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

RESULTS	
Inoculum Control	Treated (Test) Sample
after specified contact time*	after specified contact time*
7x10 ⁴ kob/ml	<30
4.85 log	-

cfu: colony forming units

Antimicrobial Activity	RESULT	Evaluation
%R	% 99.99	Effective

Mikroorganism	<i>Escherichia coli ATCC 25922 (Gram(-))</i>
Bacterial concentration (cfu/ ml)	1.6x10 ⁵
Inoculum volume	50 ml
Size of sample	1g
Number of washing	20
Washing method	After 20 washes according to ISO 6330:2012 6N@ 60 °C 2 rinse 1 hour 800 revs, tumbler dry
Incubation time, temperature	24 hours, 35 °C ± 2 °C
Contact time	24 hours

R %= Reduction is calculated by the following formula;

$$\%R = \frac{(B-A)}{B} \times 100 \text{ or } \%R = \frac{(C-A)}{C} \times 100$$

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.

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TEST RESULTS

FABRIC WEIGHT ; ISO 3801:1977 Method 5

The average results are given of five samples
Performed in the conditioned room (20±2°C-65%±4).

RESULT
204.7 g/m²

REQUIREMENT
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FIBRE COMPOSITION: ISO 1833 (Method : 1/)	
Chemical methods as specified above from the methods listed below was applied. (ISO 1833-1:2006 , ISO 1833-2:2006, ISO 1833-3:2019, ISO 1833-4:2017, ISO 1833-6:2018, ISO 1833-7:2017, ISO 1833-10:2019, ISO 1833-11:2017, ISO 1833-12:2006, ISO 1833-16:2019, ISO 1833-18:2019, ISO 1833-20:2018, ISO 1833-21:2019, ISO 1833-22:2013, ISO 1833-26:2013)	
Commercial humidity is taken accordingly as listed below for determination of each fiber: 9% for acetate, 2% for acrylic, 8.5 % for cotton, 5.75% for polyamide, 1.5 % for polyester, 1.5% for elastane, 17% for wool/angora, 13% for viscose/modal, 2% for metallic/metallized fiber, 1% for elastodiene, 2% for polypropylene.	
<u>RESULT</u>	<u>REQUIREMENT</u>
75,6 % Pamuk	%75 Pamuk
24,4 % Polyester	%25 Polyester %±1

DETERMINATION OF THE TIME OF ABSORPTION; BS EN 14697:2005-ANNEX B (*)

Test sample was conditioned at standard conditions (20±2°C-65±4% RH)

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15.6 sn

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