



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

EKOTEKS

TEST REPORT
DENEY RAPORU

20013728-
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05-20

Customer name:

Address:

Buyer name:

-

Contact Person:

Order No:

-

Article No:

-

Name and identity of test item: Dark blue non-woven surgical clothing

The date of receipt of test item: 28.04.2020

Re-submitted/re-confirmation date:

-

Date of test:

28.04.2020-07.05.2020

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:

5

Seal

Date
07.05.2020

Customer Representative
Hatice ACARALP

Head of Testing Laboratory
Sevim A. RAZAK

07.05.2020

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REQUIRED TESTS	RESULT	COMMENTS
MICROBIOLOGICAL TEST		
Microbial Cleanliness (Bioburden)	P	
PHYSICAL PROPERTIES TESTS		
Tensile Strength ⁽¹⁾	P	
Tear Strength	-	
Bursting Strength	P	
Water Permeability	F	
P: Pass F: Fail R: Refer to retailer technologist.		
Test results were evaluated according to EN 13795-1:2016 Standard Performance Properties Criticak Sample Group limit values (Table 1)		
⁽¹⁾ No requirement was given		

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.

Gen.f136-2/03



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TEST RESULTS

TEST METHOD : EN 13795-1:2019

SURGICAL CLOTHING AND DROPEs –REQUIREMENTS AND TEST METHODS

ANNEX 1: SURGICAL CLOTHING AND DROPEs (*);

MICROBIAL CLEANLINESS (Bioburden)

Test Method: Ref: EN ISO 11737-1:2018 (*)

The sample is put in extraciton liquid after shaking well, inoculated on the agar.
After incubation at 30 ± 1 ° C for 72 hours, growth microorganisms are counted on the agar.

	<u>RESULTS</u>	<u>REQUIREMENT</u>
Microbial cleanliness (cfu/100 cm²)	112 cfu/100 cm ²	≤ 300 cfu/100 cm ²

*cfu= Colony forming unit.

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TEST RESULTS

TEST METHOD : EN 13795-1:2019

SURGICAL CLOTHING AND DROPEs –REQUIREMENTS AND TEST METHODS

ANNEX 1: SURGICAL CLOTHING AND DROPEs (*);

TENSILE STRENGTH; EN 29073-3:1996 (*)

Instron 5969 (Load: 50 kN), Strip Method.

Speed: 100 mm/min±10, Gauge length 200 mm.

Pre-load was not applied. Without wetting samples.

The average results are given for weft and warp direction of five samples

Performed in the conditioned room (20±2°C-65%±4).

	<u>RESULT</u>	<u>REQUIREMENT</u>
Weft	29.6 N	≥ 20N (Dry)
Warp	50.7 N	≥ 20N (Dry)

TEAR STRENGTH; ASTM D1424:2009

James Heal Elmatear 455/ 98/ 1007. C(3262 g) pendulum. Manual clamps.

Without wetting samples.

The average results are given for weft and warp direction of five samples.

Performed in the conditioned room. (21±2°C - 65% ±2)

	<u>RESULT</u>	<u>REQUIREMENT</u>
Weft	1928.8 g	-
Warp	2486 g	-

BURSTING STRENGTH;; ISO 13938-1:1999

SDL ATLAS M229 tester. Test area: 30.5 mm diameter

Rate of increase in volume; 25.4 cm³/min.

The average results are given of five samples.

Performed in the conditioned room (20±2°C-65%±4).

	<u>RESULT</u>	<u>REQUIREMENT</u>
	161.6 kPa	≥ 40 kPa (Dry)
Height at Burst*	7.8 mm	

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TEST RESULTS

WATER PERMEABILITY;; ISO 811:2018

Hydrostatic Head Tester, Textest marka Fx 3000 model
Temperature of water 20°C. Pressure increase ratio 10 mbar/min.
Performed in the conditioned room (20±2°C-65%±4)

	<u>RESULT</u>	<u>REQUIREMENT</u>
Sample 1	7.6 cmSS	≥ 20cmSS
Sample 2	8.6 cmSS	
Sample 3	7.7 cmSS	
Sample 4	9.6 cmSS	
Sample 5	9.3 cmSS	
Average	8.6 cmSS	