

**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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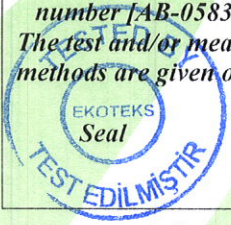
10-19

**Customer name:** INTEGRAL ENTEGRE YAPI TEKNOLOJİLERİ SAN. VE TİC. LTD  
ŞTİ.  
**Address:** Metro 34 Plaza 23/70 İOSB Bedrettin Dalan Blv. Başakşehir/İSTANBUL  
**Buyer name:** -  
**Contact Person:** YAVUZ MACİT  
**Order No:** -  
**Article No:** -  
**Name and identity of test item:** One sample of artificial grass. (Claimed to be; Wallgrass Grass Fence )  
**The date of receipt of test item:** 09.10.2019  
**Re-submitted/re-confirmation date:** 10.10.2019  
**Date of test:** 10.10.2019-15.10.2019  
**Remarks:** -  
**Sampling:** The results given in this report belong to the received sample by vendor.  
**End-Use:** -  
**Care Label:** -  
**Number of pages of the report:** 5

*The Turkish Accreditation Agency (TÜRKAK) 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.*



**Date**  
15.10.2019

**Customer Representative**  
Zahide TAPAN

**Head of Testing Laboratory**  
Sevinç A. RAZAK  
15.10.2019

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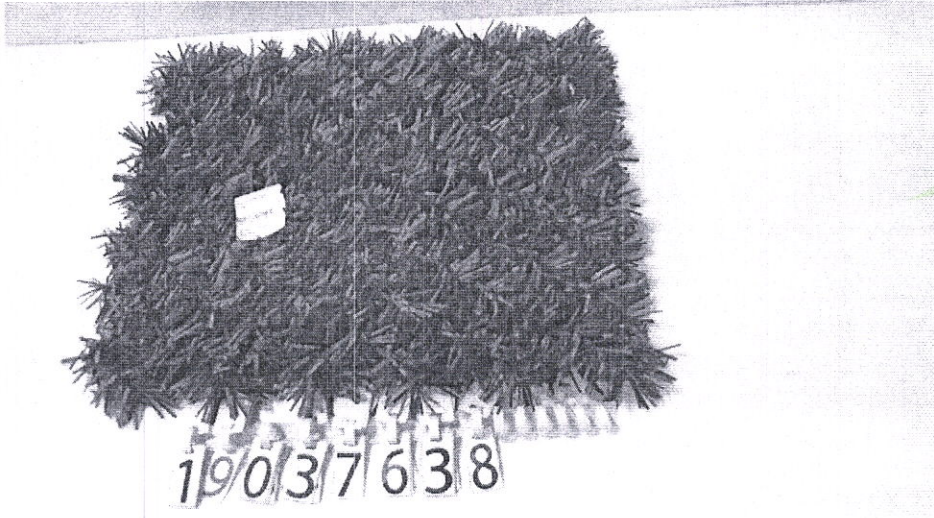
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REQUIRED TESTS	RESULT	COMMENTS
<b>PHYSICAL PROPERTIES TESTS<sup>(1)</sup></b>		
Flammability	P	
<b>ECOLOGICAL TESTS<sup>(2)</sup></b>		
Carcinogenic& Allergenic Dyestuffs	P	
P: Pass F: Fail R: Refer to retailer technologist. <sup>(1)</sup> Test results were evaluated according to 16 CFR 1631:2018 limit values <sup>(2)</sup> These tests results were evaluated according to eco-textile limit values.		

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

### **SURFACE FLAMMABILITY OF SMALL CARPETS AND RUGS ; 16 CFR CHAPTER II PART 1631:2018 (FF 2-70) (\*)**

<b>Cleaning Procedure:</b>	The sample has not been treated with a fire-retardant chemical. Therefore original sample was tested.
<b>Conditioning</b>	Sample : 105°C/2 hours , Desiccator /1 hour Tablet : Desiccator/ 24 hours
<b>Specimen Size:</b>	9 inch x 9 inch (22,86 cm x 22,86 cm)
<b>Properties Of Tablet :</b>	Tablets of methenamine, flat, having a mass of 150±5 mg and a diameter of 6 mm.

“The test results relate only to the behaviour of the test specimens after application of a small source of ignition; they shall not be used as a means of assessing how the product will contribute to an established fire.”

Specimen	The nearest distance from burnt area to the frame (cm)
1	8.5
2	9.5
3	9.0
4	8.7
5	9.5
6	8.0
7	8.0
8	7.3

**Observations :** Any of specimen of the eight tested in which the charred area, from the centre of the hole of diameter 8 inch (20,32 cm), does not extend within 1 inch(2,54 cm) of the edge of the hole in the flattening frame.

**Acceptance Criteria :** At least seven out of eight individual specimen of a carpet or rug shall meet the test criterion .

**Test Criterion :** The charred portion of a tested specimen shall not extend to within 1 inch (2,54 cm) of the edge of the hole in the flattening frame at any point.

**Interpretation of the result :** The sample meets the acceptance criterion of this standard.

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## TEST RESULTS

### CARCINOGENIC&ALLERGENIC DYSTUFFS ; DIN 54231:2005

Extraction at 70°C in methanol. Clean up by filtration and detection by LC-MSMS.

Carcinogenic Dyes	Cas.No	RESULT	REQUIREMENT
Acid Red 26	3761-53-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Blue 26 (Victoria Blue)	2580-56-5	N.D <sup>(1)</sup>	<50 mg/kg
Basic Red 9	569-61-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 3	548-62-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 14	632-99-5	N.D <sup>(1)</sup>	<50 mg/kg
Direct Black 38	1937-37-7	N.D <sup>(1)</sup>	<50 mg/kg
Direct Blue 6	2602-46-2	N.D <sup>(1)</sup>	<50 mg/kg
Direct Red 28	573-58-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 11	82-28-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg

### Allergenic Disperse Dyes

Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 3	2475-46-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 7	3179-90-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 26	3860-63-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 35	12222-75-2	N.D <sup>(1)</sup>	<50 mg/kg
Dispers Blue 102	12222-97-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 106	12223-01-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 124	61951-51-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Brown 1	23355-64-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 1	2581-69-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 3	730-40-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 37/76	13301-61-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 1	2872-52-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 11	2872-48-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 17	3179-89-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 1	119-15-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 9	6373-73-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 39	12236-29-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 49	54824-37-2	N.D <sup>(1)</sup>	<50 mg/kg

### Others Disperse Dyes

Dispers Orange 149	85136-74-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 23	6250-23-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Green 4 (chloride)	569-64-2	N.D <sup>(1)</sup>	<50 mg/kg
Navy Blue	118685-33-9	N.D <sup>(1)</sup>	ND

N.D<sup>(1)</sup>: Not detected

(\*) : These substances are in both category of the Allergen and Carcinogenic dyestuffs.