



Test
TS EN ISO/IEC 17025
AB-0342-T

AB-0342-T
144399320
04/24

TÜV Rheinland
Uluslararası Standartlar Sertifikasyon ve Denetim A.Ş.
Saniye Ermutlu Sokak Çolakoğlu Plaza B Blok No :12 Kozyatağı-İSTANBUL

Test Report

TECE DEKOR KAĞIT BASKI EMPRENYE SAN. VE TİC. A.Ş.

BURSA ORG.SAN.BÖLGESİ 75.YIL BLV.NO:12, BURSA, Türkiye

Report No.	144399320
Buyer	/
Test Item. :	PVC Furniture Edge Band / Woodgrain Decor
Lot No. :	/
Manufacturer :	Tece Dekor
Fiber Content. :	/
Colour Name. :	/
Article No. :	/
Test Scope. :	Determination of Phthalates (CPSC-CH-C1001-09.4)& Dimethyl fumarate (GCMS analysis) & Migration of 19 Elements (EN 71-3) & PAHs (AfPS GS 2019:01 PAK) & Colorfastness to Light (EN 15187)

Applicant's Provided Care Instruction/Label: -

Sample Receiving date: 2024-03-29 pm

Testing Period: 2024-04-01 to 2024-04-05

Report Date: 2024-04-15

Test Result: See Results

TÜV Rheinland Uluslararası Standartlar Sertifikasyon ve Denetim A.Ş accredited by TÜRKAK under registration number AB-0342-T for ISO/IEC 17025-2017 as test laboratory

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 the 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

For and on behalf of
TÜV Rheinland Uluslararası Standartlar Sertifikasyon ve Denetim A.Ş

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The results given in this report belong to the received sample by vendor.
This test report shall not be reproduced other than in full except with the permission of the laboratory. Testing reports without signature and seal are not valid.
This test report is signed by digital signature.
TÜV Rheinland testing laboratories apply the Zero Guard band rule for statement of conformity evaluation, unless other decision rule is required by the customer.

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Test Result Summary :

Test Specification:

- 1 Polycyclic aromatic hydrocarbons (PAHs) according to GS Specification - AfPS GS 2019:01 PAK
- 2 Migration of 19 Elements
- 3 Dimethyl fumarate
- 4 Colorfastness to Light
- 5 Phthalates content

Test result:

NO COMMENT
NO COMMENT
NO COMMENT
NO COMMENT
NO COMMENT

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1. Photo



2. List of Materials

Material List:

Material No.	Material	Color	Location
M001	Plastic	Lt. Brown	PVC Furniture Edge Band / Woodgrain Decor

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1. Polycyclic aromatic hydrocarbons (PAHs) according to GS Specification - AfPS GS 2019:01 PAK

Test Method: AfPS GS 2019:01 PAK

Test Result:

Test No.				T001
Material No.				M001
Test Parameter	CAS NO	Unit	RL	Result
Anthracene	120-12-7	mg/kg	0.2	n.d.
Benzo[a]anthracene	56-55-3	mg/kg	0.2	n.d.
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	n.d.
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	n.d.
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	n.d.
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	n.d.
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	n.d.
Benzo[e]pyrene	192-97-2	mg/kg	0.2	n.d.
Chrysene	218-01-9	mg/kg	0.2	n.d.
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	n.d.
Fluoranthene	206-44-0	mg/kg	0.2	n.d.
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	n.d.
Naphthalene	91-20-3	mg/kg	0.2	n.d.
Phenanthrene	85-01-8	mg/kg	0.2	n.d.
Pyrene	129-00-0	mg/kg	0.2	n.d.
Sum of, Anthracene, Fluoranthene, Phenanthrene, Pyrene	-	mg/kg	0.2	n.d.
Sum of 15 PAHs	-	mg/kg	0.2	n.d.
Category*	-	-	2	
Conclusion				PASS

Abbreviation: < = less than
 RL = Reporting Limit
 NA = Not Applicable
 mg/kg = milligram per kilogram

Remark:

- * PAH maximum permissible limits requirement from the GS-Mark Approval published by the German Federal Institute for Occupational Safety and Health (BAuA)
- ** Single components with an amount of <0.2 mg/kg were not considered by the calculation of the sum.
 In the case of all 15 PAHs were not detected, the result is stated < RL

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2. Migration of 19 Elements

Test Method: with reference to EN 71-3:2019+A1:2021, analyzed by ICP-OES / ICP-MS / LC-ICP-MS/IC-UV/GC-MS.

3) For scraped-off toy materials:

Test Result:

Test No.				T001
Material No.				M001
Test Parameter	Unit	RL	Regulatory Requirement	Result
Aluminium (Al)	mg/kg	500	28,130	n.d.
Antimony (Sb)	mg/kg	5	560	n.d.
Arsenic (As)	mg/kg	0.5	47	n.d.
Barium (Ba)	mg/kg	200	18,750	n.d.
Boron (B)	mg/kg	200	15,000	n.d.
Cadmium (Cd)	mg/kg	0.2	17	n.d.
Chromium III (Cr(III))	mg/kg	1	460	n.d.
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	n.d.
Cobalt (Co)	mg/kg	1.5	130	n.d.
Copper (Cu)	mg/kg	50	7,700	n.d.
Lead (Pb)	mg/kg	0.2	23	n.d.
Manganese (Mn)	mg/kg	200	15,000	n.d.
Mercury (Hg)	mg/kg	0.5	94	n.d.
Nickel (Ni)	mg/kg	10	930	n.d.
Selenium (Se)	mg/kg	5	460	n.d.
Strontium (Sr)	mg/kg	500	56,000	n.d.
Tin (Sn)	mg/kg	5	180,000	n.d.
Organic Tin [^]	mg/kg	0.04	12	n.d.
Zinc (Zn)	mg/kg	500	46,000	n.d.

Abbreviation:

- < less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- [^] denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal

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3.Dimethyl fumarate

Test Method: Organic solvent extraction, GCMS analysis

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M001	Dimethyl fumarate	mg/kg	0.025	-	n.d.

Abbreviation: < = less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Remark:

- * According to REACH Regulation (EC) No. 1907/2006 Annex XVII Item 61 and amendment Commission Regulation (EU) No. 412/2012 (formerly known as 2012/48/EU), dimethylfumarate (DMF) shall not be used in articles or any parts thereof in concentrations greater than 0.1 mg/kg. Articles or any parts thereof containing DMF in concentrations greater than 0.1 mg/kg shall not be placed on the market.

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4. Colorfastness to Light

Test method : EN 15187, Colorfastness to artificial light- Xenon Arc Fading Lamp test

	<u>M001</u>	Requirement	Conclusion
Color change	6+		No Comment

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5. Phthalates content

Test Method: Ref. to CPSC-CH-C1001-09.4

Test Result:

Test Parameter	CAS NO	Test No.		T001
		Unit	RL	M001
Result				
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	n.d.
Dibutyl phthalate (DBP)	84-74-2	%	0.005	n.d.
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	n.d.
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	n.d.
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	n.d.
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	n.d.

Abbreviation: n.d. = not detected (< Reporting limit)
 RL = Reporting Limit
 % = percentage

- END -