Client:
TECE DEKOR A.Ş.
Attn. to: Mr Sunay BALABAN
BOSB 75.Yıl Bulvarı No:12 16140
Nilüfer/Bursa
TURKEY

Report No. 27134280 001

Buyer: /

Test items:	PVC Furniture Edge Band / Woodgrain Décor
Manufacturer:	TECE Dekor A.Ş.
Article No:	/
Colour names:	Brown
Condition at delivery:	Samples tested as received
Date of delivery:	15.12.2016
Test period:	15.12.2016 - 21.12.2016
Test scope:	Determination of phthalates
	Determination of dimethylfumerate
	Polycyclic aromatic hydrocarbons (PAHs)
	EN 71-3 Migration of certain elements
	EN 15187 Grade 6 Colorfastness to Light
Test result:	See Results

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

Hande Onaydın	Abdullah Akil	Duygu Ozturk
Project Engineer	Physical Laboratory Manager	Chemical Laboratory Manager

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1. Photo

2. List of Materials

Mat.No.	Article	Article Name	Material	Color
M001	1	PVC Furniture Edge Band	-	Brown

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3. Results

Polycyclic aromatic hydrocarbons (PAH)

Mat.No.	**M001**
Unit	mg/kg
Category 1, 2, 3*	**Cat 2- other products**
Benzo(a)pyrene	n.d.
Naphthalene	n.d.
Acenaphthylene	n.d.
Acenaphthene	n.d.
Fluorene	n.d.
Phenanthrene	n.d.
Anthracene	n.d.
Fluoranthene	n.d.
Pyrene	n.d.
Benzo(a)anthracene	n.d.
Chrysene	n.d.
Benzo(b)fluoranthene	n.d.
Benzo(k)fluoranthene	n.d.
Benzo(a)pyrene	n.d.
Indeno(1,2,3-cd)pyrene	n.d.
Dibenz(ah)anthracene	n.d.
Benzo(ghi)perylene	n.d.
Benzo(j)fluoranthene	n.d.
Benzo(e)pyrene	n.d.
Sumo f 18 PAHs	n.d.

* For evaluation of the result according to AfPS GS 2014:01 please see page 4 category-2.

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Parameter	Category 1	Category 2		Category 3	
	Materials, that are intended to be put into the mouth or materials in toys with intended and prolonged skin-contact (longer than 30 s)	Materials, not covered by category 1, with foreseeable skin-contact of > 30 s (prolonged skin-contact) or short-term repetitive contact with the human skin [4]		Materials, not covered by category 1 or 2, with foreseeable skin-contact of up to 30 s (short-term skin contact)	
[mg/kg]		Toys according to Toy Directive 2009/48/EU	Other products according to Product Safety Act	Toys according to Toy Directive 2009/48/EU	Other products according to Product Safety Act
Benzo[a]pyrene	< 0,2	< 0,2	< 0,5	< 0,5	< 1
Benzo[e]pyrene	< 0,2	< 0,2	< 0,5	< 0,5	< 1
Benzo[a]anthracene	< 0,2	< 0,2	< 0,5	< 0,5	< 1
Benzo[b]fluoroanthene	< 0,2	< 0,2	< 0,5	< 0,5	< 1
Benzo[j]fluoroanthene	< 0,2	< 0,2	< 0,5	< 0,5	< 1
Benzo[k]fluoroanthene	< 0,2	< 0,2	< 0,5	< 0,5	< 1
Chrysene	< 0,2	< 0,2	< 0,5	< 0,5	< 1
Dibenzo[a,h]anthracene	< 0,2	< 0,2	< 0,5	< 0,5	< 1
Benzo[g,h,i]perylene	< 0,2	< 0,2	< 0,5	< 0,5	< 1
Indeno[1,2,3-cd]pyrene	< 0,2	< 0,2	< 0,5	< 0,5	< 1
Acenaphthylene, Acenaphthen, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	Sum < 1	Sum < 5	Sum < 10	Sum < 20	Sum < 50
Naphthalene	< 1	< 2		< 10	
Sum 18 PAH	< 1	< 5	< 10	< 20	< 50

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Phthalates

Article No.	1
Mat.No.	**M001**
Unit	mg/kg
Phthalates	
Bis-(2-ethylhexyl)phthalate, DEHP	<100
Dibutylphthalate, DBP	<100
Benzylbutylphthalate, BBP	<100
Diisononylphthalate, DINP	<100
Di-n-octylphthalate, DNOP	<100
Diisodecylphthalate, DIDP	<100

Reporting limit: 100 mg/kg
n.d.: Not detected (<reporting limit)

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Date: 21.12.2016

Migration of certain elements

Mat.No.	M001*
Unit	mg/kg
Aluminium	<500
Antimony	<5
Arsenic	<0,5
Barium	<200
Boron	<400
Cadmium	<0,2
Chromium, total	<0,005
Chromium (III)	NT
Chromium (VI)	NT
Cobalt	<1,5
Copper	<50
Lead	<2
Manganese	<200
Mercury	<0,5
Nickel	<10
Selenium	<5
Strontium	<500
Tin	<500
Organic tin	NT
Zinc	<500

* For evaluation of the result according to categories please see below Table-1.

NT: Not tested

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Table 1- Migration limits from toy materials

Element	mg/kg
Aluminium	70000
Antimony	560
Arsenic	47
Barium	18750
Boron	15000
Cadmium	17
Chromium(III)	460
Chromium(VI)	0,2
Cobalt	130
Copper	7700
Lead	160
Manganese	15000
Mercury	94
Nickel	930
Selenium	460
Strontium	56000
Tin	180000
Organic tin	12
Zinc	46000

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Dimethylfumarate

Article No.	1
Sample composition	**001**
Unit	mg/kg
Dimethylfumarate	n.d.

Detection limit: 0.1 mg/kg
n.d.: Not detected

#Colorfastness to Light

Article No.	1
Sample composition	**001**
Color Change	
Grade	6+

#This test is out of scope of TURKAK

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4. Summary of methods

Polycyclic aromatic hydrocarbons (PAH)	Standard: AfPS GS 2014:01	Issue date: 2014:1

Method description: Harmonized Method for Determination of Polycyclic Aromatic Hydrocarbons (PAH) in plastic sampling, gas chromatographic method with mass spectrometric detection, limit of determination 0,2 mg/kg per component
Notes: Single components with an amount of < 0.2 mg/kg were not considered by the calculation of the sum. In the case of all 18 PAH according to EPA were not detected, the result is stated n.n. (not detectable).

Phthalates	Standard: CPSC-CH-C1001-09.3	Issue date: 2010

Method description: Determination of selected phthalates after solvent extraction, quantification by GC-MS

Migration certain elements	Standard: EN 71-3	Issue date: June, 2013

Method description: Determination of soluble heavy metal (Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium (total), Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin and Zinc) with ICP-MS

Dimethylfumarate	Standard: In-house method	Issue date: 2012

Method description: Organic Solvent Extraction, GC-MS Analysis Footwear - critical substances potentially present in footwear and footwear components

Colorfastness to Light	Standard: EN 15187	Issue date: /

Method description: Colorfastness to artificial light- Xenon Arc Fading Lamp test

-END-

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