

**TEST REPORT**

**REPORT NUMBER :** TURT150034507-REVISED 01  
**APPLICANT NAME** Ceren Kağıt ve Kırtasiye San. A.Ş.  
**ADDRESS** Ziya Gökalp Mah. Eski Turgut Özal Cad. Haseyad İş Merkezi İ.O.S.B Başakşehir / İstanbul  
TURKEY  
FAX NO :0212 407 06 66  
**Attention : Figen Toprak (figen@cerenkirtasiye.com.tr)**  
**BUYER** NOT GIVEN  
**SAMPLE DESCRIPTION :** One sample of Play-Doh 6 colours face paint  
**DATE IN :** 03 March, 2015 (08:27)  
**DATE OUT :** 20 March, 2015 / 24 March, 2015  
**ITEM NO :** PLAY-YU003  
**COUNTRY OF ORIGIN:** CHINA  
**NOTE:** In this revised 01 report, Phthalate Content test was removed by the request of the applicant  
This report replaces the report no TURT150034507 dated 20 March, 2015 and must be used  
instead of it.  
Report no TURT150034507 ,dated 20 March, 2015 is invalid.

TEST	Sample
SAFETY OF TOYS-PART 1:MECHANICAL AND PHYSICAL PROPERTIES	P (Except 7.2)
SAFETY OF TOYS-PART 2:FLAMMABILITY	P
TOXIC ELEMENTS ANALYSIS	P
DETECTION OF AMİNES DERİVED FROM AZOCOLOURANTS AND AZODYES	P

P = MEETS BUYER' S REQUIREMENT / F = DOES NOT MEET BUYER' S REQUIREMENT / NR = NO REQUIREMENT / SC=STILL CONTINUES / X=NOT PERFORMED / NA = NOT APPLICABLE/ LS : LACK OF SAMPLE

The test results relate only to the items tested. The whole and/or the part of this test report shall not be reproduced and shall not be shared with third parties, nor to be used for PR activities without the written permission of INTERTEK Test Hizmetleri A.S.

The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with ISO/IEC 17025 and TURKAK accreditation requirements. Unless otherwise is specified, all Pass or Fail results are given without uncertainty considered. When uncertainty is taken into account, the result may be borderline. Borderline results need to be re-tested to determine their disposition up to customer's decision. Opinions and interpretations expressed herein are outside the scope of TURKAK accreditation. Tests marked (\*) in this test report are not included in the TURKAK accreditation schedule for this laboratory.

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Melahat YILDIRIM  
COORDINATOR

Sinan ÖNCEL / Customer Care Manager  
Özlem CAVUMİRZA / Textile Laboratory Manager



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150034507

Test Method	Result	Requirements
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*This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.*

**Specification: BS EN 71 - 1 : 2014- Safety of Toys - Specification for Mechanical and Physical Properties**

The item was labelled "+ 3 years"

The item was tested for children aged over 36 months.

The item was packaging in a cardboard box which was considered to be disposable

SECTION	TEST	RESULTS
4	<b>General Requirements</b>	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
7	<b>Warning and Instruction for Use</b>	
7.1	<b>General</b>	##
7.2	<b>Toys not intended for children under 36 months</b> The item, its packaging or accompanying leaflet must be labelled with:, The following warning "Warning! Not suitable for children under 36 months" with a brief indication of the specific hazard or correct age graphical symbol.	See Comment



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## The text of this note is for information only and the indents do not constitute requirements of this European Standard. The information is not exhaustive and Directive 2009/48/EC and the associated guidance documents should be consulted for further details.

The toy or, its packaging or document accompanying must be labelled with:

- The name and address of the manufacturer\*\* **(Not Present)**
- The name and address of the and importer.\*\* **(Present)**
- type, batch, serial or model number or other element allowing of toy identification **(Present)**
- The following advisory note: "Retain for future reference", if the information is not on the toy itself **(Present)**
- A CE mark in the correct size and shape . **(Present)**
- Warning and other information should be in the national language(s) of the countries where the toy is marketed.

\*\* In the case of the toy sell in European countries, the toy, its packaging or document accompanying must be labelled with the name and address of the manufacturer and importer



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Test Method	Result	Requirements
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**Specification: BS EN 71 - 2 : 2011+ A1:2014 Safety of Toys – Flammability**

SECTION	TEST	RESULTS
4.1	General	
	Celluloid/cellulose nitrate and materials with a same burning behaviour in fire	Pass



Test Method	Result	Requirements		
<b>Toxic Elements Analysis</b>				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
<b>1-Multicolor cartoon box</b>				
	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	7.8 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	300 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	1.6 ppm	<1 ppm	PASS	7700
Manganese (Mn)	13.4 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	29.9 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	12.5 ppm	<1 ppm	PASS	46000

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



Test Method	Result	Requirements		
<b>Toxic Elements Analysis</b>				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
<b>2-White plastic box</b>				
	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	Not Detected	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	Not Detected	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	Not Detected	<1 ppm	PASS	46000

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



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Test Method	Result	Requirements		
<b>Toxic Elements Analysis</b>				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
<b>3-Black plastic cover</b>				
	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	5.2 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	Not Detected	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	Not Detected	<1 ppm	PASS	46000

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



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Test Method	Result	Requirements
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**Toxic Elements Analysis**

BS EN 71-3:2013+A1:2014

Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)

4-Red plastic cover

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	Not Detected	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	Not Detected	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	Not Detected	<1 ppm	PASS	46000

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



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Test Method	Result	Requirements
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**Toxic Elements Analysis**

BS EN 71-3:2013+A1:2014

Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)

5-Yellow plastic cover

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	4.1 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	Not Detected	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	Not Detected	<1 ppm	PASS	46000

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



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Test Method	Result	Requirements		
<b>Toxic Elements Analysis</b>				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
<b>6-Green plastic cover</b>				
	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	Not Detected	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	Not Detected	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	Not Detected	<1 ppm	PASS	46000

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



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Test Method	Result	Requirements		
<b>Toxic Elements Analysis</b>				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
<b>7-Blue plastic cover</b>				
	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	Not Detected	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	Not Detected	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	Not Detected	<1 ppm	PASS	46000

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



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Test Method	Result	Requirements		
<b>Toxic Elements Analysis</b>				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
<b>8-White plastic cover</b>				
	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	Not Detected	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	Not Detected	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	Not Detected	<1 ppm	PASS	46000

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



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Test Method	Result	Requirements
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**Toxic Elements Analysis**

BS EN 71-3:2013+A1:2014

Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)

**9-Yellow handle with multicolour print**

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	Not Detected	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	Not Detected	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	Not Detected	<1 ppm	PASS	46000

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



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Test Method	Result	Requirements		
<b>Toxic Elements Analysis</b>				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
<b>10-Black dye</b>				
	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	45
Arsenic (As)	Not Detected	<0.1 ppm	PASS	3,8
Barium (Ba)	Not Detected	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	0.5 ppm	<0.1 ppm	PASS	37,5
Chromium (VI)	Not Detected	0.1 ppm	PASS	0,02
Lead (Pb)	Not Detected	<0.1 ppm	PASS	13,5
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	7,5
Selenium (Se)	Not Detected	<0.1 ppm	PASS	37,5
Aluminium (Al)	31.4 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	1.4 ppm	<1 ppm	PASS	622,5
Manganese (Mn)	5 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	117.1 ppm	<0.1 ppm	PASS	4500
Tin (Sn)	Not Detected	<1.2 ppm	PASS	15000
Organic tin	Not Detected	<0.1 ppm	PASS	0,9
Zinc (Zn)	6.7 ppm	<1 ppm	PASS	3750

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



**Intertek Test Hizmetleri A.S.**

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Test Method	Result	Requirements
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**Toxic Elements Analysis**

BS EN 71-3:2013+A1:2014

Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)

11-Red dye

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	45
Arsenic (As)	Not Detected	<0.1 ppm	PASS	3,8
Barium (Ba)	1.9 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	0.5 ppm	<0.1 ppm	PASS	37,5
Chromium (VI)	Not Detected	0.1 ppm	PASS	0,02
Lead (Pb)	Not Detected	<0.1 ppm	PASS	13,5
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	7,5
Selenium (Se)	Not Detected	<0.1 ppm	PASS	37,5
Aluminium (Al)	Not Detected	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	3.1 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	1536 ppm	<0.1 ppm	PASS	4500
Tin (Sn)	Not Detected	<1.2 ppm	PASS	15000
Organic tin	Not Detected	<0.1 ppm	PASS	0,9
Zinc (Zn)	2.5 ppm	<1 ppm	PASS	3750

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



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Test Method	Result	Requirements
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**Toxic Elements Analysis**

BS EN 71-3:2013+A1:2014

Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)

**12-Yellow dye**

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	45
Arsenic (As)	Not Detected	<0.1 ppm	PASS	3,8
Barium (Ba)	Not Detected	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	0.8 ppm	<0.1 ppm	PASS	37,5
Chromium (VI)	Not Detected	0.1 ppm	PASS	0,02
Lead (Pb)	Not Detected	<0.1 ppm	PASS	13,5
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	7,5
Selenium (Se)	Not Detected	<0.1 ppm	PASS	37,5
Aluminium (Al)	3561 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	2.1 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	36.9 ppm	<0.1 ppm	PASS	4500
Tin (Sn)	Not Detected	<1.2 ppm	PASS	15000
Organic tin	Not Detected	<0.1 ppm	PASS	0,9
Zinc (Zn)	Not Detected	<1 ppm	PASS	3750

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



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Test Method	Result	Requirements
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**Toxic Elements Analysis**

BS EN 71-3:2013+A1:2014

Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)

**13-Green dye**

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	45
Arsenic (As)	Not Detected	<0.1 ppm	PASS	3,8
Barium (Ba)	Not Detected	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	0.2 ppm	<0.1 ppm	PASS	37,5
Chromium (VI)	Not Detected	0.1 ppm	PASS	0,02
Lead (Pb)	Not Detected	<0.1 ppm	PASS	13,5
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	7,5
Selenium (Se)	Not Detected	<0.1 ppm	PASS	37,5
Aluminium (Al)	Not Detected	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	1.9 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	36.1 ppm	<0.1 ppm	PASS	4500
Tin (Sn)	Not Detected	<1.2 ppm	PASS	15000
Organic tin	Not Detected	<0.1 ppm	PASS	0,9
Zinc (Zn)	Not Detected	<1 ppm	PASS	3750

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



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Test Method	Result	Requirements
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**Toxic Elements Analysis**

BS EN 71-3:2013+A1:2014

Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)

14-Blue dye

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	45
Arsenic (As)	Not Detected	<0.1 ppm	PASS	3,8
Barium (Ba)	Not Detected	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	0.5 ppm	<0.1 ppm	PASS	37,5
Chromium (VI)	Not Detected	0.1 ppm	PASS	0,02
Lead (Pb)	Not Detected	<0.1 ppm	PASS	13,5
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	7,5
Selenium (Se)	Not Detected	<0.1 ppm	PASS	37,5
Aluminium (Al)	Not Detected	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	2.7 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	44.6 ppm	<0.1 ppm	PASS	4500
Tin (Sn)	Not Detected	<1.2 ppm	PASS	15000
Organic tin	Not Detected	<0.1 ppm	PASS	0,9
Zinc (Zn)	Not Detected	<1 ppm	PASS	3750

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



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Test Method	Result	Requirements		
<b>Toxic Elements Analysis</b>				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
<b>15-White dye</b>				
	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	45
Arsenic (As)	Not Detected	<0.1 ppm	PASS	3,8
Barium (Ba)	Not Detected	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	0.6 ppm	<0.1 ppm	PASS	37,5
Chromium (VI)	Not Detected	0.1 ppm	PASS	0,02
Lead (Pb)	Not Detected	<0.1 ppm	PASS	13,5
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	7,5
Selenium (Se)	Not Detected	<0.1 ppm	PASS	37,5
Aluminium (Al)	20.3 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	2.1 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	32.7 ppm	<0.1 ppm	PASS	4500
Tin (Sn)	Not Detected	<1.2 ppm	PASS	15000
Organic tin	Not Detected	<0.1 ppm	PASS	0,9
Zinc (Zn)	1.1 ppm	<1 ppm	PASS	3750

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



Test Method	Result	Requirements
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**Detection of Amines Derived From Azocolourants and Azodyes**

Test Method : BS EN 14362 - 1 : 2012 for Textile Material  
 Detection of Amines Derived From Azocolourants and Azodyes

- 1- Composite sample of red, white, yellow dye (without extraction) <30 ppm  
 2- Composite sample of green, blue, black dye (without extraction)

FORBIDDEN AMINE	CAS NO	RESULT	
		1	2
4-AMINOBIIPHENYL	92-67-1	N	N
BENZIDINE	92-87-5	N	N
CHLORO-O-4-CHLOR-O-TOLUIDINE	95-69-2	N	N
2-NAPHTHYLAMINE	91-59-8	N	N
*O-AMINOAZOTOLUENE	97-56-3	N	N
*2-AMINO-4-NITROTOLUENE	99-55-8	N	N
P-CHLOROANILINE	106-47-8	N	N
2,4-DIAMINOANISOLE	615-05-4	N	N
4,4'-DIAMINOBIIPHENYLMETHANE	101-77-9	N	N
3,3'-DICHLOROBENZIDINE	91-94-1	N	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N	N
3,3'-DIMETHYLBENZIDINE	119-93-7	N	N
3,3'-DIMETHYL-4,4' DIAMINOBIIPHENYLMETHANE	838-88-0	N	N
P-CRESIDINE	120-71-8	N	N
4,4'-METHYLENE-BIS-(2 CHLOROANILINE)	101-14-4	N	N
4,4'-OXYDIANILINE	101-80-4	N	N
4,4'-THIODIANILINE	139-65-1	N	N
O-TOLUIDINE	95-53-4	N	N
2,4-TOLUYLENDIAMINE	95-80-7	N	N
2,4,5-TRIMETHYLANILINE	137-17-7	N	N
O-ANISIDINE	90-04-0	N	N
**P-AMINOAZOBENZENE	60-09-3	N	N
2,4 XYLIDINE	95-68-1	N	N
2,6 XYLIDINE	87-62-7	N	N

**NOTE:** \*The amines o-amino-azotoluene and 2-amino-4-nitrotoluene are detected by its splitted product o-toluidine and 2,4- toluylenediamine.  
 \*\*Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4- phenylendiamine .  
 The presence of these colorants can not be reliably ascertained without additional information, e.g. chemical structure of the colorant used.

**Remark:**

- 1) ACCORDING TO THE OFFICIAL METHOD EN ISO/TS 17234:2003, IF 4-AMINODIIPHENYL OR 2-NAPHTHYLAMINE OR 2,4-DIAMINOANISOLE IS FOUND EXCEEDING 30 PPM, THE USE OF FORBIDDEN AZO DYESTUFF CANNOT BE ASCERTAINED WITHOUT ADDITIONAL INFORMATION eg. THE CHEMICAL STRUCTURE OF THE DYESTUFF USED. TEXTILE OR POLYESTER METHOD CASES ONLY.  
 2) AZO COLORANTS CONTENT REQUIREMENT IN ANNEX XVII ITEM 43 OF THE REACH REGULATION (EC)NO:1907/2006 FORMERLY KNOWN AS DIRECTIVE 2002/61/EC)

< = Less Than  
 N= Not Detected  
 Requirement= 30 ppm  
 ppm(part per million)= mg/ kg

(Estimated Total uncertainty=± 9 %)



Test Method	Result	Requirements
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## END OF TEST REPORT ##