

TEST REPORT

REPORT NUMBER : TURT150030927
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 :
Sample 1 One sample of play dough glue stick 12 pcs / PLAY-YP002
Sample 2 One sample of play dough glue stick 24 pcs / PLAY-YP003
Sample 3 One sample of play dough transparent glue stick 12 pcs / PLAY-YP004
Sample 4 One sample of play dough glue stick 24 pcs / PLAY-YP001
DATE IN : 25 February, 2015 (10:32)
DATE OUT : 09 March, 2015
ITEM NO : PLAY-YP002 / PLAY-YP003 / PLAY-YP004 / PLAY-YP001
COUNTRY OF ORIGIN: CHINA

TEST	Sample 1	Sample 2	Sample 3	Sample 4
SAFETY OF TOYS-PART 1:MECHANICAL AND PHYSICAL PROPERTIES	P (Except 7.2)	P (Except 7.2)	P (Except 7.2)	P (Except 7.2)
SAFETY OF TOYS-PART 2:FLAMMABILITY	P	P	P	P
TOXIC ELEMENTS ANALYSIS	P	P	P	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

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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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Melihat YILDIRIM
COORDINATOR

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



Intertek Test Hizmetleri A.S.
Merkez Mahallesi Sanayi Cad. No.23 Altındag Plaza Yenibosna-34197 /İSTANBUL
Phone : +90 212 496 46 46 Fax: +90 212 452 80 55
e-mail : intertekcg.turkiye@intertek.com
<http://www.intertek-turkey.com>



150030927

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+"

The item was tested for children aged over 36 months.

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

Sample 1-2

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
7	Warning and Instruction for Use	
7.1	General	##
7.2	Toys not intended for children under 36 months The item, its packaging or accompanying leaflet must be labeled 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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Merkez Mahallesi Sanayi Cad. No.23 Altındag Plaza Yenibosna-34197 /İSTANBUL

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Test Method	Result	Requirements
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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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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+"

The item was tested for children aged over 36 months.

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

Sample 3-4

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
7	Warning and Instruction for Use	
7.1	General	##
7.2	Toys not intended for children under 36 months The item, its packaging or accompanying leaflet must be labeled 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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Test Method	Result	Requirements
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The toy or, its packaging or document accompanying must be labelled with:

- The name and address of the manufacturer** **(Not Present)**
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- 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)**
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Test Method	Result	Requirements
Specification: BS EN 71 - 2 : 2011+ A1:2014 Safety of Toys – Flammability		
Sample 1-2-3-4		
SECTION	TEST	RESULTS
4.1	General	
	Celluloid/cellulose nitrate and materials with a same burning behaviour in fire	Pass

**Intertek Test Hizmetleri A.S.***Merkez Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna-34197 /İSTANBUL**Phone : +90 212 496 46 46 Fax: +90 212 452 80 55**e-mail : intertek@turkiye.intertek.com*<http://www.intertek-turkey.com>

Test Method	Result	Requirements		
Toxic Elements Analysis				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
1-Yellow plastic body (sample 1)				
	<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)	8.2 ppm	<1 ppm	PASS	70000
Boron (B)	36.1 ppm	<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)	2.2 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



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Test Method	Result	Requirements
Toxic Elements Analysis		
BS EN 71-3:2013+A1:2014		
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)		
2-Yellow plastic cover (sample 1)		
	RESULT (ppm)	DETECTION LIMIT
Antimony (Sb)	Not Detected	<0.1 ppm
Arsenic (As)	Not Detected	<0.1 ppm
Barium (Ba)	Not Detected	<1 ppm
Cadmium (Cd)	Not Detected	<0.1 ppm
Chromium (III)	Not Detected	<0.1 ppm
Chromium (VI)	Not Detected	0.1 ppm
Lead (Pb)	Not Detected	<0.1 ppm
Mercury (Hg)	Not Detected	<0.01 ppm
Selenium (Se)	Not Detected	<0.1 ppm
Aluminium (Al)	6.3 ppm	<1 ppm
Boron (B)	24.4 ppm	<1 ppm
Cobalt (Co)	Not Detected	<1 ppm
Copper (Cu)	Not Detected	<1 ppm
Manganese (Mn)	Not Detected	<1 ppm
Nickel (Ni)	Not Detected	<1 ppm
Strontium (Sr)	Not Detected	<0.1 ppm
Tin (Sn)	Not Detected	<1.2 ppm
Organic tin	Not Detected	<0.1 ppm
Zinc (Zn)	Not Detected	<1 ppm
	PASS/FAIL	REQUIREMENT (ppm)
	PASS	560
	PASS	47
	PASS	18750
	PASS	17
	PASS	460
	PASS	0.2
	PASS	160
	PASS	94
	PASS	460
	PASS	70000
	PASS	15000
	PASS	130
	PASS	7700
	PASS	15000
	PASS	930
	PASS	56000
	PASS	180000
	PASS	12
	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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Merkez Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna-34197 /ISTANBUL

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Test Method	Result	Requirements		
Toxic Elements Analysis				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
3-Yellow hard plastic (sample 1)				
	<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)	22.3 ppm	<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-Multicolor sticker (sample 1)

	<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)	5.9 ppm	<1 ppm	PASS	70000
Boron (B)	21.7 ppm	<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)	2.1 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



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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 body with multicolour print (sample 2)

	<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)	0.6 ppm	<0.1 ppm	PASS	17
Chromium (III)	26.1 ppm	<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)	11.8 ppm	<1 ppm	PASS	70000
Boron (B)	29.4 ppm	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	18.7 ppm	<1 ppm	PASS	7700
Manganese (Mn)	18.7 ppm	<1 ppm	PASS	15000
Nickel (Ni)	22.5 ppm	<1 ppm	PASS	930
Strontium (Sr)	0.2 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)	186 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



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Test Method	Result	Requirements		
Toxic Elements Analysis				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
6-Yellow hard plastic (sample 2)				
	<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)	4.2 ppm	<1 ppm	PASS	70000
Boron (B)	18 ppm	<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		
Toxic Elements Analysis				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
7-Yellow plastic cover (sample 2)				
	<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)	7.1 ppm	<1 ppm	PASS	70000
Boron (B)	27.7 ppm	<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)	1.7 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



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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)

8-Transparent plastic body with multicolour print (sample 3)

	<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		
Toxic Elements Analysis				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
9-Yellow plastic cover (sample 3)				
	<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)	6.3 ppm	<1 ppm	PASS	70000
Boron (B)	24.6 ppm	<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



Intertek Test Hizmetleri A.S.

Merkez Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna-34197 /İSTANBUL

Phone : +90 212 496 46 46 Fax: +90 212 452 80 55

e-mail : intertekcg.turkiye@intertek.com

<http://www.intertek-turkey.com>

Test Method	Result	Requirements		
Toxic Elements Analysis				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
10-Yellow hard plastic (sample 3)				
	<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)	6.4 ppm	<1 ppm	PASS	70000
Boron (B)	25.5 ppm	<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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Merkez Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna-34197 /İSTANBUL

Phone : +90 212 496 46 46 Fax: +90 212 452 80 55

e-mail : intertekcg.turkiye@intertek.com

<http://www.intertek-turkey.com>

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-Yellow plastic body with multicolour print (sample 4)

	<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)	12.3 ppm	<1 ppm	PASS	70000
Boron (B)	22.6 ppm	<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)	1.2 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



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e-mail : intertekcg.turkiye@intertek.com

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Test Method	Result	Requirements		
Toxic Elements Analysis				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
12-Yellow plastic cover (sample 4)				
	<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)	6 ppm	<1 ppm	PASS	70000
Boron (B)	25.1 ppm	<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		
Toxic Elements Analysis				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
13- Play dough glue (sample 1)				
	RESULT (ppm)	DETECTION LIMIT		
	PASS/FAIL	REQUIREMENT (ppm)		
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	11,3
Arsenic (As)	Not Detected	<0.1 ppm	PASS	0,9
Barium (Ba)	Not Detected	<1 ppm	PASS	375
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	0,3
Chromium (III)	Not Detected	<0.1 ppm	PASS	9,4
Chromium (VI)	Not Detected	0.1 ppm	PASS	0,005
Lead (Pb)	Not Detected	<0.1 ppm	PASS	3,4
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	1,9
Selenium (Se)	Not Detected	<0.1 ppm	PASS	9,4
Aluminium (Al)	1.8 ppm	<1 ppm	PASS	1406
Boron (B)	Not Detected	<1 ppm	PASS	300
Cobalt (Co)	Not Detected	<1 ppm	PASS	2,6
Copper (Cu)	Not Detected	<1 ppm	PASS	156
Manganese (Mn)	Not Detected	<1 ppm	PASS	300
Nickel (Ni)	Not Detected	<1 ppm	PASS	18,8
Strontium (Sr)	0.3 ppm	<0.1 ppm	PASS	1125
Tin (Sn)	Not Detected	<1.2 ppm	PASS	3750
Organic tin	Not Detected	<0.1 ppm	PASS	0,2
Zinc (Zn)	1.9 ppm	<1 ppm	PASS	938

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
Toxic Elements Analysis		
BS EN 71-3:2013+A1:2014		
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)		
14- Play dough glue (sample 2)		
	RESULT (ppm)	DETECTION LIMIT
Antimony (Sb)	Not Detected	<0.1 ppm
Arsenic (As)	Not Detected	<0.1 ppm
Barium (Ba)	Not Detected	<1 ppm
Cadmium (Cd)	Not Detected	<0.1 ppm
Chromium (III)	Not Detected	<0.1 ppm
Chromium (VI)	Not Detected	0.1 ppm
Lead (Pb)	Not Detected	<0.1 ppm
Mercury (Hg)	Not Detected	<0.01 ppm
Selenium (Se)	Not Detected	<0.1 ppm
Aluminium (Al)	Not Detected	<1 ppm
Boron (B)	Not Detected	<1 ppm
Cobalt (Co)	Not Detected	<1 ppm
Copper (Cu)	Not Detected	<1 ppm
Manganese (Mn)	Not Detected	<1 ppm
Nickel (Ni)	Not Detected	<1 ppm
Strontium (Sr)	Not Detected	<0.1 ppm
Tin (Sn)	Not Detected	<1.2 ppm
Organic tin	Not Detected	<0.1 ppm
Zinc (Zn)	Not Detected	<1 ppm
	PASS/FAIL	REQUIREMENT (ppm)
	PASS	11,3
	PASS	0,9
	PASS	375
	PASS	0,3
	PASS	9,4
	PASS	0,005
	PASS	3,4
	PASS	1,9
	PASS	9,4
	PASS	1406
	PASS	300
	PASS	2,6
	PASS	156
	PASS	300
	PASS	18,8
	PASS	1125
	PASS	3750
	PASS	0,2
	PASS	938

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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Merkez Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna-34197 /İSTANBUL

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Test Method	Result	Requirements		
Toxic Elements Analysis				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
15- Play dough glue (sample 3)				
	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	11,3
Arsenic (As)	Not Detected	<0.1 ppm	PASS	0,9
Barium (Ba)	Not Detected	<1 ppm	PASS	375
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	0,3
Chromium (III)	Not Detected	<0.1 ppm	PASS	9,4
Chromium (VI)	Not Detected	0.1 ppm	PASS	0,005
Lead (Pb)	Not Detected	<0.1 ppm	PASS	3,4
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	1,9
Selenium (Se)	Not Detected	<0.1 ppm	PASS	9,4
Aluminium (Al)	Not Detected	<1 ppm	PASS	1406
Boron (B)	Not Detected	<1 ppm	PASS	300
Cobalt (Co)	Not Detected	<1 ppm	PASS	2,6
Copper (Cu)	Not Detected	<1 ppm	PASS	156
Manganese (Mn)	Not Detected	<1 ppm	PASS	300
Nickel (Ni)	0.3 ppm	<1 ppm	PASS	18,8
Strontium (Sr)	Not Detected	<0.1 ppm	PASS	1125
Tin (Sn)	Not Detected	<1.2 ppm	PASS	3750
Organic tin	Not Detected	<0.1 ppm	PASS	0,2
Zinc (Zn)	Not Detected	<1 ppm	PASS	938

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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e-mail : intertek@turkiye.intertek.com

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Test Method	Result	Requirements		
Toxic Elements Analysis				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
16-Play dough glue (sample 4)				
	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	11,3
Arsenic (As)	Not Detected	<0.1 ppm	PASS	0,9
Barium (Ba)	Not Detected	<1 ppm	PASS	375
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	0,3
Chromium (III)	Not Detected	<0.1 ppm	PASS	9,4
Chromium (VI)	Not Detected	0.1 ppm	PASS	0,005
Lead (Pb)	Not Detected	<0.1 ppm	PASS	3,4
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	1,9
Selenium (Se)	Not Detected	<0.1 ppm	PASS	9,4
Aluminium (Al)	1.3 ppm	<1 ppm	PASS	1406
Boron (B)	Not Detected	<1 ppm	PASS	300
Cobalt (Co)	Not Detected	<1 ppm	PASS	2,6
Copper (Cu)	Not Detected	<1 ppm	PASS	156
Manganese (Mn)	Not Detected	<1 ppm	PASS	300
Nickel (Ni)	0.2 ppm	<1 ppm	PASS	18,8
Strontium (Sr)	Not Detected	<0.1 ppm	PASS	1125
Tin (Sn)	Not Detected	<1.2 ppm	PASS	3750
Organic tin	Not Detected	<0.1 ppm	PASS	0,2
Zinc (Zn)	4.3 ppm	<1 ppm	PASS	938

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
		
		

END OF TEST REPORT