

TEST REPORT

REPORT NUMBER : TURT150034517-REVISED 01
APPLICANT NAME Ceren Kağıt ve Kırtasiye San. A.Ş.
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Attention : Figen Toprak (figen@cerenkirtasiye.com.tr)

BUYER NOT GIVEN

SAMPLE DESCRIPTION :
Sample 1: One sample of Play-Doh 12 colors jumbo triangular color pencils / PLAY-KU008
Sample 2: One sample of Play-Doh 12 colors natural triangular jumbo color pencils / PLAY-KU009

DATE IN : 03 March, 2015 (08:27)
DATE OUT : 30 March, 2015 / 09 April, 2015

ITEM NO :
Sample 1: PLAY-KU008
Sample 2: PLAY-KU009

COUNTRY OF ORIGIN: CHINA

NOTE: In this revised 01 report, sample picture was corrected.
This report replaced the report no TURT150034517 dated on 30 March, 2015 and must be used instead of it.
Report no TURT150034517, dated 30 March, 2015 is invalid.

Melahat

Melahat YILDIRIM
COORDINATOR

Sinan

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



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150034517

Test Method	Result	Requirements
TEST	Sample 1	Sample 2
SAFETY OF TOYS-PART 1:MECHANICAL AND PHYSICAL PROPERTIES	P (Except 7.2)	P (Except 7.2)
SAFETY OF TOYS-PART 2:FLAMMABILITY	P	P
TOXIC ELEMENTS ANALYSIS	P	P
PHTHALATE CONTENT	P	P
DETECTION OF AMİNES DERİVED FROM AZOCOLOURANTS AND AZODYES	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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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 for retention

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 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



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
Specification: BS EN 71 - 2 : 2011+ A1:2014 Safety of Toys – Flammability		
Sample 1-2		
SECTION	TEST	RESULTS
4.1	General	
	Celluloid/cellulose nitrate and materials with a same burning behaviour in fire	Pass

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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)

Sample 1

1-Multicolor cartoon box

	<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)	2.9 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)	171 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)	4.8 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	15.9 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)	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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Toxic Elements Analysis

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

Sample 1

2-Navy plastic box

	<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)	2.8 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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Toxic Elements Analysis

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

Sample 1

3-Purple pencil with gold white 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	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	1.1 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)	6.5 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)	1.6 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	6.2 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)	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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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

Sample 1

4-Navy pencil with gold white 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	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	1.8 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)	6.4 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)	1.3 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	5.9 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)	2.5 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



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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)

Sample 1

5- Blue pencil with gold white 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	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	1.5 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)	6 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)	1.2 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	6.8 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)	1.8 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)

Sample 1

6- Dark green pencil with gold white 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	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	1.3 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)	3.7 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)	6.5 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)	2.5 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



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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)

Sample 1

7-Green pencil with gold white 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	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	1.5 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)	4.2 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)	7.2 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)	3.6 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)

Sample 1

8- Yellow pencil with gold white 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	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	1.9 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)	4.9 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)	5.9 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)	1.8 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)

Sample 1

9- Pink pencil with gold white 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	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	1.4 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)	2.1 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)	1.9 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	3.5 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)	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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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

Sample 1

10- Ecru pencil with gold white 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	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	1.7 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)	1.8 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)	1.2 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	4.2 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)	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)

Sample 1

11- Orange pencil with gold white 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	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	1.2 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)	2.7 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)	1.5 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	3.1 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)	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)

Sample 1

12- Red pencil with gold white 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	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)	3.3 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)	8.2 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	2.3 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)	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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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

Sample 1

13- Brown pencil with gold white 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	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)	3.9 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)	7.8 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	3.1 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)	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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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

Sample 1

14- Black pencil with gold white 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	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)	2.8 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)	8.9 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	1.7 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)	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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Toxic Elements Analysis

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

Sample 1

15- Black 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)	11.5 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	105.2 ppm	<1 ppm	PASS	5625
Boron (B)	16.5 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	35.4 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)	23 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)

Sample 1

16-Brown 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)	14.2 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	106.7 ppm	<1 ppm	PASS	5625
Boron (B)	17.1 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	34.2 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)	24.2 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)

Sample 1

17- 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)	10.2 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	102.6 ppm	<1 ppm	PASS	5625
Boron (B)	14.3 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	36.7 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)	21 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)

Sample 1

18- Pink 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)	6 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	74.5 ppm	<1 ppm	PASS	5625
Boron (B)	12.5 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	Not Detected	<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)	20 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)

Sample 1

19- Orange 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)	6.5 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	75.8 ppm	<1 ppm	PASS	5625
Boron (B)	14.6 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	Not Detected	<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)	21.2 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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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

Sample 1

20- Ecrú 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)	5.3 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	72.3 ppm	<1 ppm	PASS	5625
Boron (B)	10.1 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	Not Detected	<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)	18.6 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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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

Sample 1

21- 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)	5.4 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	62.4 ppm	<1 ppm	PASS	5625
Boron (B)	16.5 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	0.4 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)	29 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)

Sample 1

22- 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)	6.5 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	63.7 ppm	<1 ppm	PASS	5625
Boron (B)	17.8 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	0.9 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)	29.3 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)

Sample 1

23- Dark 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)	4.9 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	59.1 ppm	<1 ppm	PASS	5625
Boron (B)	15.7 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	0.2 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)	28.3 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)

Sample 1

24- 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)	6.4 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	85.3 ppm	<1 ppm	PASS	5625
Boron (B)	13.5 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	5 ppm	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	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)	18.5 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)

Sample 1

25- Navy 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)	7.3 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	86.8 ppm	<1 ppm	PASS	5625
Boron (B)	14.9 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	5.8 ppm	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	1.5 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)	19.6 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)

Sample 1

26- Purple 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)	5.8 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	81.2 ppm	<1 ppm	PASS	5625
Boron (B)	12.3 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	4.5 ppm	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	1.8 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)	17.6 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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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

Sample 1

27- Slat

	<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)	Not Detected	<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)	3 ppm	<1 ppm	PASS	5625
Boron (B)	4.1 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	1.6 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	9.1 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)

Sample 2

1- Multicolor cartoon box

	<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)	3.5 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)	173.3 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)	5.2 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	16.3 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)	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)

Sample 2

2- Navy plastic box

	<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)				
Sample 2				
3- Brown pencil with gold white dye				
	RESULT (ppm)	DETECTION LIMIT	PASS/FAIL	REQUIREMENT (ppm)
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	2.6 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)	19.7 ppm	<1 ppm	PASS	70000
Boron (B)	4.6 ppm	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	2 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	10.2 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)	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)

Sample 2

4- Black end part

	<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)	3.7 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)	8.8 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	2.1 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)	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)				
Sample 2				
5- Purple end part				
	RESULT (ppm)	DETECTION LIMIT	PASS/FAIL	REQUIREMENT (ppm)
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	1.3 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)	6.3 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)	1.5 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	5.8 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)	2.8 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)

Sample 2

6- Navy end part

	<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)	1.7 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)	5.5 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)	2.3 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	6.8 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)	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



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)

Sample 2

7- Blue end part

	<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)	1.8 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)	6.9 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)	1.7 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	7.2 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)	1.9 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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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

Sample 2

8- Dark green end part

	<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)	1.4 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)	3.8 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)	6.1 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)	2.7 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)

Sample 2

9- Green end part

	<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)	2.3 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)	4.2 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)	5.8 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)	2.9 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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Toxic Elements Analysis

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

Sample 2

10- Yellow end part

	<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)	1.1 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)	3.2 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)	5.1 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)	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)

Sample 2

11- Ecrü end part

	<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)	1.4 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)	2.2 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)	2 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	3.6 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)	2.6 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)		
Sample 2		
12- Orange end part		
	RESULT (ppm)	DETECTION LIMIT
Antimony (Sb)	Not Detected	<0.1 ppm
Arsenic (As)	Not Detected	<0.1 ppm
Barium (Ba)	1.8 ppm	<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)	2.8 ppm	<1 ppm
Boron (B)	Not Detected	<1 ppm
Cobalt (Co)	Not Detected	<1 ppm
Copper (Cu)	Not Detected	<1 ppm
Manganese (Mn)	2.5 ppm	<1 ppm
Nickel (Ni)	Not Detected	<1 ppm
Strontium (Sr)	2.3 ppm	<0.1 ppm
Tin (Sn)	Not Detected	<1.2 ppm
Organic tin	Not Detected	<0.1 ppm
Zinc (Zn)	2.1 ppm	<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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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)

Sample 2

13- Pink end part

	<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)	1.9 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)	3.3 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)	1.7 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	4.5 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)	3.3 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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Toxic Elements Analysis

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

Sample 2

14- Red end part

	<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)	2.8 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)	7.8 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	1.8 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)	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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Toxic Elements Analysis

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

Sample 2

15- Brown end part

	<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)	9.1 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	2.8 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)	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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Toxic Elements Analysis

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

Sample 2

16- Brown 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)	6.9 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	90 ppm	<1 ppm	PASS	5625
Boron (B)	16 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	0.6 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)	22 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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Toxic Elements Analysis

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

Sample 2

17- 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)	7.3 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	92 ppm	<1 ppm	PASS	5625
Boron (B)	17.6 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	0.8 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)	23.5 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)

Sample 2

18- Pink 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)	7.5 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	93 ppm	<1 ppm	PASS	5625
Boron (B)	15 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	1.7 ppm	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	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)	11 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)

Sample 2

19- Orange 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)	6.9 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	94.6 ppm	<1 ppm	PASS	5625
Boron (B)	16.7 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	1.9 ppm	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	1.5 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)	12.6 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)

Sample 2

20- Ecrú 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)	8.2 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	91.2 ppm	<1 ppm	PASS	5625
Boron (B)	14.7 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	1.5 ppm	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	0.8 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)	10.2 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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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

Sample 2

21- 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)	12.1 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	71.5 ppm	<1 ppm	PASS	5625
Boron (B)	12 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	1.1 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)	16.4 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)

Sample 2

22- 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)	14.2 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	73.6 ppm	<1 ppm	PASS	5625
Boron (B)	13.7 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	1.8 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)	17.3 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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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

Sample 2

23- Dark 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)	10.1 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	70.6 ppm	<1 ppm	PASS	5625
Boron (B)	11.6 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	1.5 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)	15.6 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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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

Sample 2

24- 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)	9 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	78.8 ppm	<1 ppm	PASS	5625
Boron (B)	18 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	5.9 ppm	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	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)	18 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)

Sample 2

25- Navy 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)	10.2 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	80.6 ppm	<1 ppm	PASS	5625
Boron (B)	17.3 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	6.4 ppm	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	1.5 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)	19.6 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)

Sample 2

26- Purple 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)	8.5 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	76.2 ppm	<1 ppm	PASS	5625
Boron (B)	19.6 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	5.1 ppm	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	1.9 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)	20.2 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)

Sample 2

27- Black 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)	5.8 ppm	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	Not Detected	<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)	86.3 ppm	<1 ppm	PASS	5625
Boron (B)	14.3 ppm	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	0.4 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)	21.2 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)

Sample 2

28- Slat

	<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)	1.7 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)	9.1 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)	1.6 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	5.8 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)	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
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 1		
1-Composite sample of multicolour cartoon box		
	<u>RESULT (%. w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (%. w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

* =EXCEEDED LIMIT

COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 1		
2- Composite sample of navy plastic box, purple pencil with gold white dye, navy pencil with gold white dye		
	<u>RESULT (% w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (% w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

* =EXCEEDED LIMIT

COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 1		
3- Composite sample of blue pencil with gold white dye, dark green pencil with gold white dye		
	<u>RESULT (% w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (% w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

* =EXCEEDED LIMIT

COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 1		
4- Composite sample of green pencil with gold white dye, yellow pencil with gold white dye		
	<u>RESULT (%. w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (%. w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content
 ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 1		
5- Composite sample of pink pencil with gold white dye, ecru pencil with gold white dye		
	<u>RESULT (% w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (% w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content
 ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 1		
6- Composite sample of orange pencil with gold white dye, red pencil with gold white dye		
	<u>RESULT (%, w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (%, w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

* =EXCEEDED LIMIT

COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 1		
7- Composite sample of brown pencil with gold white dye, black pencil with gold white dye		
	<u>RESULT (%, w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (%, w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content
 ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 1		
8- Composite sample of black dye, brown dye, red dye, pink dye, orange dye		
	<u>RESULT (%. w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (%. w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content
 ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
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 COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 1		
9- Composite sample of ecru dye, yellow dye, green dye, dark green dye, blue dye		
		<u>RESULT (% w/w)</u>
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
		<u>RESULT (% w/w)</u>
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

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COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 1		
10- Composite sample of navy dye, purple dye		
	<u>RESULT (%, w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (%, w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content
 ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
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 COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 2		
1- Composite sample of multicolour cartoon box		
	<u>RESULT (%, w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (%, w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content
 ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
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 COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 2		
2- Composite sample of navy plastic box, brown pencil with gold white dye, black end part, purple end part		
	<u>RESULT (%. w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (%. w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

* =EXCEEDED LIMIT

COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 2		
3- Composite sample of navy end part, blue end part, dark green end part, green end part, yellow end part		
	<u>RESULT (% w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (% w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

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COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 2		
4- Composite sample of ecru end part, orange end part, pink end part, red end part, brown end part		
	<u>RESULT (%. w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (%. w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

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COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 2		
5- Composite sample of brown dye, red dye, pink dye, orange dye, ecru dye		
	<u>RESULT (% w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (% w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

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COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 2		
6- Composite sample of yellow dye, green dye, dark green dye, blue dye, navy dye		
	<u>RESULT (%, w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (%, w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content
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(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 2		
7- Composite sample of purple dye, black dye		
	<u>RESULT (% w/w)</u>	
DIBUTYL PHTHALATE (DBP)	Not Detected	
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected	
BENZYL BUTYL PHTHALATE (BBP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (% w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected	
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected	
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected	
SUM OF THREE PHTHALATES	Not Detected	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

* =EXCEEDED LIMIT

COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
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 Sample 1-2		
1- Composite sample of orange, ecru, yellow dye (without extraction)		
2- Composite sample of green, dark green, blue dye (without extraction)		
3- Composite sample of navy, blue, dark green end part/dye (without extraction)		
4- Composite sample of orange, pink, red end part/dye (without extraction)		<30 ppm
5- Composite sample of brown, black, purple end part/dye (without extraction)		
6- Composite sample of navy, purple, black dye (without extraction)		
7- Composite sample of brown, red, pink dye (without extraction)		
8- Composite sample of green, yellow, ecru end part/dye (without extraction)		
9- Transparent coated (without extraction)		

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

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-AMINODIPHENYL 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
		

END OF TEST REPORT