

TEST REPORT

REPORT NUMBER : TURT150034512-REVISED 01
APPLICANT NAME Ceren Kağıt ve Kırtasiye San. A.Ş.
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TURKEY
FAX NO :0212 407 06 66
Attention : Figen Toprak (figen@cerenkirtasiye.com.tr)

BUYER NOT GIVEN

SAMPLE DESCRIPTION :
Sample 1: One sample of Play-Doh 12 pcs oil pastels plastic box
Sample 2: One sample of Play-Doh 18 pcs oil pastels plastic box
Sample 3: One sample of Play-Doh 24 pcs oil pastels plastic box

DATE IN : 03 March, 2015 (08:27)
DATE OUT : 27 March, 2015 / 31 March, 2015
ITEM NO :
Sample 1: PLAY-PA009
Sample 2: PLAY-PA010
Sample 3: PLAY-PA011

COUNTRY OF ORIGIN: CHINA

NOTE: In this revised 01 report, item no was corrected.
This report replaces the report no TURT150034512 dated 27 March, 2015 and must be used instead of it.
Report no TURT150034512 ,dated 27 March, 2015 is invalid.

Melahat

Melahat YILDIRIM
COORDINATOR

Sinan

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



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150034512

Test Method	Result	Requirements	
TEST	Sample 1	Sample 2	Sample 3
SAFETY OF TOYS-PART 1:MECHANICAL AND PHYSICAL PROPERTIES	P (Except 7.2)	P (Except 7.2)	P (Except 7.2)
SAFETY OF TOYS-PART 2:FLAMMABILITY	P	P	P
TOXIC ELEMENTS ANALYSIS	P	P	P
PHTHALATE CONTENT	P	P	P
DETECTION OF AMİNES DERİVED FROM AZOCOLOURANTS AND AZODYES	P	P	P

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

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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 plastic box which was considered to be for retention

Sample 1

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	##
7.2	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



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

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

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

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



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

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

The item was labelled "+ 3 years"
 The item was tested for children aged over 36 months.
 The item was packaging in a plastic box which was considered to be for retention

Sample 2-3

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	##
7.2	<p>Toys not intended for children under 36 months</p> <p>The item, its packaging or accompanying leaflet must be labelled with:,</p> <p>The following warning "Warning! Not suitable for children under 36 months" with a brief indication of the specific hazard or correct age graphical symbol.</p>	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 1-2-3		
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 1-2-3

1-White oil pastel

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	45
Arsenic (As)	Not Detected	<0.1 ppm	PASS	3,8
Barium (Ba)	Not Detected	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	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)	15.5 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	16.4 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)	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 1-2-3

2-Grey oil pastel

	<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)	1.4 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)	Not Detected	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	1.1 ppm	<1 ppm	PASS	622,5
Manganese (Mn)	2.0 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	78.2 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)	1.4 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 1-2-3

3-Black oil pastel

	<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)	9.8 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)	26.4 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	1.4 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	43.9 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)	2.4 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 1-2-3

4-Dark brown oil pastel

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	45
Arsenic (As)	Not Detected	<0.1 ppm	PASS	3,8
Barium (Ba)	Not Detected	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	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)	Not Detected	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	3.7 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	85.9 ppm	<0.1 ppm	PASS	4500
Tin (Sn)	Not Detected	<1.2 ppm	PASS	15000
Organic tin	Not Detected	<0.1 ppm	PASS	0,9
Zinc (Zn)	Not Detected	<1 ppm	PASS	3750

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

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



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Test Method	Result	Requirements
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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

Sample 1-2-3

5-Brown oil pastel

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	45
Arsenic (As)	Not Detected	<0.1 ppm	PASS	3,8
Barium (Ba)	Not Detected	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	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)	21.9 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	2.0 ppm	<1 ppm	PASS	622,5
Manganese (Mn)	1.2 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	18.8 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)	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
Toxic Elements Analysis		
BS EN 71-3:2013+A1:2014		
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)		
Sample 1-2-3		
6-Light brown oil pastel		
	RESULT (ppm)	DETECTION LIMIT
Antimony (Sb)	Not Detected	<0.1 ppm
Arsenic (As)	Not Detected	<0.1 ppm
Barium (Ba)	98.9 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)	18.9 ppm	<1 ppm
Boron (B)	Not Detected	<1 ppm
Cobalt (Co)	Not Detected	<1 ppm
Copper (Cu)	Not Detected	<1 ppm
Manganese (Mn)	1.1 ppm	<1 ppm
Nickel (Ni)	Not Detected	<1 ppm
Strontium (Sr)	28.7 ppm	<0.1 ppm
Tin (Sn)	Not Detected	<1.2 ppm
Organic tin	Not Detected	<0.1 ppm
Zinc (Zn)	7.0 ppm	<1 ppm
	PASS/FAIL	REQUIREMENT (ppm)
	PASS	45
	PASS	3,8
	PASS	1500
	PASS	1,3
	PASS	37,5
	PASS	0,02
	PASS	13,5
	PASS	7,5
	PASS	37,5
	PASS	5625
	PASS	1200
	PASS	10,5
	PASS	622,5
	PASS	1200
	PASS	75
	PASS	4500
	PASS	15000
	PASS	0,9
	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 1-2-3

7-Lilac oil pastel

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	45
Arsenic (As)	Not Detected	<0.1 ppm	PASS	3,8
Barium (Ba)	Not Detected	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	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)	16.2 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	2.3 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	86.7 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)	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 1-2-3

8-Pink oil pastel

	<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)	1.6 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)	45.2 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	2.6 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	90.1 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



Intertek Test Hizmetleri A.S.

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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 1-2-3		
9-Dark pink oil pastel		
	RESULT (ppm)	DETECTION LIMIT
Antimony (Sb)	Not Detected	<0.1 ppm
Arsenic (As)	Not Detected	<0.1 ppm
Barium (Ba)	2.5 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)	Not Detected	<1 ppm
Boron (B)	Not Detected	<1 ppm
Cobalt (Co)	Not Detected	<1 ppm
Copper (Cu)	Not Detected	<1 ppm
Manganese (Mn)	2.3 ppm	<1 ppm
Nickel (Ni)	Not Detected	<1 ppm
Strontium (Sr)	93.3 ppm	<0.1 ppm
Tin (Sn)	Not Detected	<1.2 ppm
Organic tin	Not Detected	<0.1 ppm
Zinc (Zn)	Not Detected	<1 ppm
	PASS/FAIL	REQUIREMENT (ppm)
	PASS	45
	PASS	3,8
	PASS	1500
	PASS	1,3
	PASS	37,5
	PASS	0,02
	PASS	13,5
	PASS	7,5
	PASS	37,5
	PASS	5625
	PASS	1200
	PASS	10,5
	PASS	622,5
	PASS	1200
	PASS	75
	PASS	4500
	PASS	15000
	PASS	0,9
	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
Toxic Elements Analysis		
BS EN 71-3:2013+A1:2014		
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)		
Sample 1-2-3		
10-Purple oil pastel		
	RESULT (ppm)	DETECTION LIMIT
Antimony (Sb)	Not Detected	<0.1 ppm
Arsenic (As)	Not Detected	<0.1 ppm
Barium (Ba)	2.1 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)	49.9 ppm	<1 ppm
Boron (B)	Not Detected	<1 ppm
Cobalt (Co)	Not Detected	<1 ppm
Copper (Cu)	Not Detected	<1 ppm
Manganese (Mn)	2.3 ppm	<1 ppm
Nickel (Ni)	Not Detected	<1 ppm
Strontium (Sr)	90.2 ppm	<0.1 ppm
Tin (Sn)	Not Detected	<1.2 ppm
Organic tin	Not Detected	<0.1 ppm
Zinc (Zn)	Not Detected	<1 ppm
	PASS/FAIL	REQUIREMENT (ppm)
	PASS	45
	PASS	3,8
	PASS	1500
	PASS	1,3
	PASS	37,5
	PASS	0,02
	PASS	13,5
	PASS	7,5
	PASS	37,5
	PASS	5625
	PASS	1200
	PASS	10,5
	PASS	622,5
	PASS	1200
	PASS	75
	PASS	4500
	PASS	15000
	PASS	0,9
	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 1-2-3

11-Navy oil pastel

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	45
Arsenic (As)	Not Detected	<0.1 ppm	PASS	3,8
Barium (Ba)	Not Detected	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	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)	2.5 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	2.6 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	86.6 ppm	<0.1 ppm	PASS	4500
Tin (Sn)	Not Detected	<1.2 ppm	PASS	15000
Organic tin	Not Detected	<0.1 ppm	PASS	0,9
Zinc (Zn)	Not Detected	<1 ppm	PASS	3750

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

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



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Test Method	Result	Requirements
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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 1-2-3

12-Dark blue oil pastel

	<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)	6.3 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)	898.2 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	6.0 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	89.2 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)	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 1-2-3

13-Blue oil pastel

	<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)	1.1 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)	192.1 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	1.9 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	39.4 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)	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 1-2-3

14-Light blue oil pastel

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	45
Arsenic (As)	Not Detected	<0.1 ppm	PASS	3,8
Barium (Ba)	Not Detected	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	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)	16.5 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	21.9 ppm	<0.1 ppm	PASS	4500
Tin (Sn)	Not Detected	<1.2 ppm	PASS	15000
Organic tin	Not Detected	<0.1 ppm	PASS	0,9
Zinc (Zn)	Not Detected	<1 ppm	PASS	3750

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

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



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Test Method	Result	Requirements
Toxic Elements Analysis		
BS EN 71-3:2013+A1:2014		
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)		
Sample 1-2-3		
15-Turquoise oil pastel		
	RESULT (ppm)	DETECTION LIMIT
Antimony (Sb)	Not Detected	<0.1 ppm
Arsenic (As)	Not Detected	<0.1 ppm
Barium (Ba)	22.1 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)	13.6 ppm	<1 ppm
Boron (B)	Not Detected	<1 ppm
Cobalt (Co)	Not Detected	<1 ppm
Copper (Cu)	Not Detected	<1 ppm
Manganese (Mn)	2.4 ppm	<1 ppm
Nickel (Ni)	Not Detected	<1 ppm
Strontium (Sr)	94.0 ppm	<0.1 ppm
Tin (Sn)	Not Detected	<1.2 ppm
Organic tin	Not Detected	<0.1 ppm
Zinc (Zn)	11.7 ppm	<1 ppm
	PASS/FAIL	REQUIREMENT (ppm)
	PASS	45
	PASS	3,8
	PASS	1500
	PASS	1,3
	PASS	37,5
	PASS	0,02
	PASS	13,5
	PASS	7,5
	PASS	37,5
	PASS	5625
	PASS	1200
	PASS	10,5
	PASS	622,5
	PASS	1200
	PASS	75
	PASS	4500
	PASS	15000
	PASS	0,9
	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 1-2-3

16-Dark green oil pastel

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	45
Arsenic (As)	Not Detected	<0.1 ppm	PASS	3,8
Barium (Ba)	Not Detected	<1 ppm	PASS	1500
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	1,3
Chromium (III)	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)	Not Detected	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	0.7 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)	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 1-2-3

17-Green oil pastel

	<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)	30.8 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	2.1 ppm	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	76.1 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)	2.8 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
Toxic Elements Analysis		
BS EN 71-3:2013+A1:2014		
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)		
Sample 1-2-3		
18-Light green oil pastel		
	RESULT (ppm)	DETECTION LIMIT
Antimony (Sb)	Not Detected	<0.1 ppm
Arsenic (As)	Not Detected	<0.1 ppm
Barium (Ba)	90.7 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)	12.1 ppm	<1 ppm
Boron (B)	1.3 ppm	<1 ppm
Cobalt (Co)	Not Detected	<1 ppm
Copper (Cu)	Not Detected	<1 ppm
Manganese (Mn)	Not Detected	<1 ppm
Nickel (Ni)	Not Detected	<1 ppm
Strontium (Sr)	14.5 ppm	<0.1 ppm
Tin (Sn)	Not Detected	<1.2 ppm
Organic tin	Not Detected	<0.1 ppm
Zinc (Zn)	16.4 ppm	<1 ppm
	PASS/FAIL	REQUIREMENT (ppm)
	PASS	45
	PASS	3,8
	PASS	1500
	PASS	1,3
	PASS	37,5
	PASS	0,02
	PASS	13,5
	PASS	7,5
	PASS	37,5
	PASS	5625
	PASS	1200
	PASS	10,5
	PASS	622,5
	PASS	1200
	PASS	75
	PASS	4500
	PASS	15000
	PASS	0,9
	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
Toxic Elements Analysis		
BS EN 71-3:2013+A1:2014		
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)		
Sample 1-2-3		
19-Yellow oil pastel		
	RESULT (ppm)	DETECTION LIMIT
Antimony (Sb)	Not Detected	<0.1 ppm
Arsenic (As)	Not Detected	<0.1 ppm
Barium (Ba)	9.3 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)	34.6 ppm	<1 ppm
Boron (B)	Not Detected	<1 ppm
Cobalt (Co)	Not Detected	<1 ppm
Copper (Cu)	Not Detected	<1 ppm
Manganese (Mn)	2.2 ppm	<1 ppm
Nickel (Ni)	Not Detected	<1 ppm
Strontium (Sr)	78.6 ppm	<0.1 ppm
Tin (Sn)	Not Detected	<1.2 ppm
Organic tin	Not Detected	<0.1 ppm
Zinc (Zn)	Not Detected	<1 ppm
	PASS/FAIL	REQUIREMENT (ppm)
	PASS	45
	PASS	3,8
	PASS	1500
	PASS	1,3
	PASS	37,5
	PASS	0,02
	PASS	13,5
	PASS	7,5
	PASS	37,5
	PASS	5625
	PASS	1200
	PASS	10,5
	PASS	622,5
	PASS	1200
	PASS	75
	PASS	4500
	PASS	15000
	PASS	0,9
	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 1-2-3

20-Bronze oil pastel

	<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)	42.6 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)	Not Detected	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	24.5 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)	2.4 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 1-2-3

21-Light orange oil pastel

	<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)	140.6 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)	16.6 ppm	<1 ppm	PASS	5625
Boron (B)	Not Detected	<1 ppm	PASS	1200
Cobalt (Co)	Not Detected	<1 ppm	PASS	10,5
Copper (Cu)	Not Detected	<1 ppm	PASS	622,5
Manganese (Mn)	Not Detected	<1 ppm	PASS	1200
Nickel (Ni)	Not Detected	<1 ppm	PASS	75
Strontium (Sr)	27.1 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)	17.9 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
Toxic Elements Analysis		
BS EN 71-3:2013+A1:2014		
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)		
Sample 1-2-3		
22-Orange oil pastel		
	RESULT (ppm)	DETECTION LIMIT
Antimony (Sb)	Not Detected	<0.1 ppm
Arsenic (As)	Not Detected	<0.1 ppm
Barium (Ba)	1.7 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)	42.0 ppm	<1 ppm
Boron (B)	Not Detected	<1 ppm
Cobalt (Co)	Not Detected	<1 ppm
Copper (Cu)	Not Detected	<1 ppm
Manganese (Mn)	2.4 ppm	<1 ppm
Nickel (Ni)	Not Detected	<1 ppm
Strontium (Sr)	98.0 ppm	<0.1 ppm
Tin (Sn)	Not Detected	<1.2 ppm
Organic tin	Not Detected	<0.1 ppm
Zinc (Zn)	Not Detected	<1 ppm
	PASS/FAIL	REQUIREMENT (ppm)
	PASS	45
	PASS	3,8
	PASS	1500
	PASS	1,3
	PASS	37,5
	PASS	0,02
	PASS	13,5
	PASS	7,5
	PASS	37,5
	PASS	5625
	PASS	1200
	PASS	10,5
	PASS	622,5
	PASS	1200
	PASS	75
	PASS	4500
	PASS	15000
	PASS	0,9
	PASS	3750

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

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



Test Method	Result	Requirements
Toxic Elements Analysis		
BS EN 71-3:2013+A1:2014		
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)		
Sample 1-2-3		
23-Dark orange oil pastel		
	RESULT (ppm)	DETECTION LIMIT
Antimony (Sb)	Not Detected	<0.1 ppm
Arsenic (As)	Not Detected	<0.1 ppm
Barium (Ba)	Not Detected	<1 ppm
Cadmium (Cd)	Not Detected	<0.1 ppm
Chromium (III)	Not Detected	<0.1 ppm
Chromium (VI)	Not Detected	0.1 ppm
Lead (Pb)	Not Detected	<0.1 ppm
Mercury (Hg)	Not Detected	<0.01 ppm
Selenium (Se)	Not Detected	<0.1 ppm
Aluminium (Al)	36.2 ppm	<1 ppm
Boron (B)	Not Detected	<1 ppm
Cobalt (Co)	Not Detected	<1 ppm
Copper (Cu)	Not Detected	<1 ppm
Manganese (Mn)	Not Detected	<1 ppm
Nickel (Ni)	Not Detected	<1 ppm
Strontium (Sr)	83.8 ppm	<0.1 ppm
Tin (Sn)	Not Detected	<1.2 ppm
Organic tin	Not Detected	<0.1 ppm
Zinc (Zn)	Not Detected	<1 ppm

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

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



Test Method	Result	Requirements
Toxic Elements Analysis		
BS EN 71-3:2013+A1:2014		
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)		
Sample 1-2-3		
24-Red oil pastel		
	RESULT (ppm)	DETECTION LIMIT
Antimony (Sb)	Not Detected	<0.1 ppm
Arsenic (As)	Not Detected	<0.1 ppm
Barium (Ba)	Not Detected	<1 ppm
Cadmium (Cd)	Not Detected	<0.1 ppm
Chromium (III)	Not Detected	<0.1 ppm
Chromium (VI)	Not Detected	0.1 ppm
Lead (Pb)	Not Detected	<0.1 ppm
Mercury (Hg)	Not Detected	<0.01 ppm
Selenium (Se)	Not Detected	<0.1 ppm
Aluminium (Al)	27.6 ppm	<1 ppm
Boron (B)	Not Detected	<1 ppm
Cobalt (Co)	Not Detected	<1 ppm
Copper (Cu)	Not Detected	<1 ppm
Manganese (Mn)	2.4 ppm	<1 ppm
Nickel (Ni)	Not Detected	<1 ppm
Strontium (Sr)	85.1 ppm	<0.1 ppm
Tin (Sn)	Not Detected	<1.2 ppm
Organic tin	Not Detected	<0.1 ppm
Zinc (Zn)	Not Detected	<1 ppm
	PASS/FAIL	REQUIREMENT (ppm)
	PASS	45
	PASS	3,8
	PASS	1500
	PASS	1,3
	PASS	37,5
	PASS	0,02
	PASS	13,5
	PASS	7,5
	PASS	37,5
	PASS	5625
	PASS	1200
	PASS	10,5
	PASS	622,5
	PASS	1200
	PASS	75
	PASS	4500
	PASS	15000
	PASS	0,9
	PASS	3750

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

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



Test Method	Result	Requirements		
Toxic Elements Analysis				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
Sample 1-2-3				
25-Multicolour sticker on 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)	8.1 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	4.3 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 1-2-3

26-Light blue 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
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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 1-2-3

27-Light pink 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
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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 1-2-3

28-Light yellow 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 1-2-3				
29-Multicolour sticker				
	<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)	2.6 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)	2.9 ppm	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	17.0 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 1-2-3

30-Transparent plastic 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)	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
PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
Sample 1-2-3		
1-Composite sample of red dye, dark red dye, orange dye, light orange dye, beige 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 1-2-3		
2- Composite sample of yellow dye, light green dye, green dye, dark green dye, turquoise 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 1-2-3		
3- Composite sample of blue dye, dark blue dye, navy dye, dark purple 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
 * =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 1-2-3		
4- Composite sample of dark pink dye, pink dye, light pink dye, light brown dye, brown 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 1-2-3		
5- Composite sample of dark brown dye, black dye, grey dye, white dye, pink plastic 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 1-2-3		
6- Composite sample of yellow plastic box, blue plastic box, multicolour sticker, multicolour print on the paper		
	<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
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Detection of Amines Derived From Azocolourants and Azodyes

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

Sample 1-2-3

- | | |
|---|---------|
| 1- Composite sample of white, grey, black oil pastel (without extraction) | <30 ppm |
| 2- Composite sample of dark brown, brown, light brown oil pastel (without extraction) | |
| 3- Composite sample of lilac, pink, dark pink oil pastel (without extraction) | |
| 4- Composite sample of purple, navy, dark blue oil pastel (without extraction) | |
| 5- Composite sample of blue, light blue, turquoise oil pastel (without extraction) | |
| 6- Composite sample of dark green, green, light green oil pastel (without extraction) | |
| 7- Composite sample of yellow, bronz, light orange oil pastel (without extraction) | |
| 8- Composite sample of orange, dark orange, red oil pastel (without extraction) | |

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