

TEST REPORT

REPORT NUMBER : TURT170142407
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Attention : Mine Uçar (info@ucaroyuncak.com; export@ucaroyuncak.com)
BUYER TOYS
SAMPLE DESCRIPTION :
Sample 1: One sample of light pink granule with light pink plastic piece
Sample 2: One sample of black granule with black plastic piece
Sample 3: One sample of white granule with white plastic piece
Sample 4: One sample of red granule with red plastic piece
Sample 5: One sample of navy granule with three navy plastic piece
Sample 6: One sample of purple granule with navy plastic piece
Sample 7: One sample of grey granule with grey plastic piece
Sample 8: One sample of green granule with grey plastic piece
Sample 9: One sample of orange granule with orange plastic piece
Sample 10: One sample of yellow granule with yellow plastic piece
Sample 11: One sample of blue granule with blue plastic piece
Sample 12: One sample of pink granule with pink plastic piece
Sample 13: One sample of fuchsia granule with pink plastic piece
Sample 14: One samples of Fire Truck
DATE IN : 19 July, 2017 (11:50)
DATE OUT : 25 July, 2017
MODEL NO : 108
COUNTRY OF ORIGIN : TURKEY
NOTE : In this report, Toxic Elements Analysis, Total Phthalate Content tests results were taken from report number TURT130108487-REVISED 01 dated 16 February, 2015 by the request of the applicant.

Melahat

N. Sözer

Melahat YILDIRIM
Customer Care Executive

Neslihan Sözer Softline&Hardline Türkiye Müdürü

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170142407

Test Method	Result								Requirements
TEST	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	
SAFETY OF TOYS-PART 1 MECHANICAL AND PHYSICAL PROPERTIES	X	X	X	X	X	X	X	X	X
SAFETY OF TOYS-PART 2:FLAMMABILITY	X	X	X	X	X	X	X	X	X
TOXIC ELEMENTS ANALYSIS	P	P	P	P	P	P	P	P	P
TOTAL PHTHALATE CONTENT	P	P	P	P	P	P	P	P	P

TEST	Sample 9	Sample 10	Sample 11	Sample 12	Sample 13	Sample 14
SAFETY OF TOYS-PART 1 MECHANICAL AND PHYSICAL PROPERTIES	X	X	X	X	X	P
SAFETY OF TOYS-PART 2:FLAMMABILITY	X	X	X	X	X	P
TOXIC ELEMENTS ANALYSIS	P	P	P	P	P	X
TOTAL PHTHALATE CONTENT	P	P	P	P	P	X

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

This report (including any enclosures and attachments) are prepared for the exclusive use of the Customer(s) named in the report and solely for the purpose for which it is provided and on the basis of instructions and information and/or materials supplied by Intertek's Customer. The test results relate only to the specific items tested and are not intended to be a recommendation for any particular course of action. Customer is responsible for acting as it sees fit on the basis of such results. Unless Intertek provide express prior written consent, no part of this report should be reproduced, distributed or communicated to any third party. Intertek do not accept any liability if this report is used for an alternative purpose from which it is intended, nor do Intertek owe any duty of care to any third party in respect of this report. Except where explicitly agreed in writing, all work and services performed is governed by Intertek Standard Terms and Conditions of Service which is available on request or can be obtained at <http://www.intertek.com/terms>.

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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: "WARNINGS Not intended for children under 3 years of age,as this product contains small parts. "Choking Hazard"

The item was tested for children aged over 10 months.

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

Sample 14

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
5	Toys Intended For Children Under 36 Months	
5.1	General Requirements	
	a) Toys and removable components	Pass
	b) Use and abuse test and springs	Pass
5.10	Small Balls	Pass
7	Warning and Instruction for Use	##

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** **(Present)**
- The name and address of the importer.** **(Not 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 shape and size. **(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 .

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 - 2 : 2011+ A1:2014 Safety of Toys – Flammability

Sample 14

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

The test results thus obtained can not be considered as providing an overall indication of the potential fire hazard of toys or materials when subjected to other sources of ignition.

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

Light pink granule

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	<0.1 ppm	<0.1 ppm	PASS	560
Arsenic (As)	<0.1 ppm	<0.1 ppm	PASS	47
Barium (Ba)	<0.1 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	<0.1 ppm	<0.1 ppm	PASS	17
Chromium (III)	<0.1 ppm	<0.1 ppm	PASS	460
Chromium (VI)	<0.1 ppm	0.1 ppm	PASS	0.2
Lead (Pb)	<0.1 ppm	<0.1 ppm	PASS	160
Mercury (Hg)	<0.01 ppm	<0.01 ppm	PASS	94
Selenium (Se)	<0.1 ppm	<0.1 ppm	PASS	460
Aluminium (Al)	2 ppm	<1 ppm	PASS	70000
Boron (B)	0.2 ppm	<1 ppm	PASS	15000
Cobalt (Co)	<0.1 ppm	<1 ppm	PASS	130
Copper (Cu)	0.4 ppm	<1 ppm	PASS	7700
Manganese (Mn)	0.5 ppm	<1 ppm	PASS	15000
Nickel (Ni)	<0.1 ppm	<1 ppm	PASS	930
Strontium (Sr)	3.7 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	<0.1 ppm	<1.2 ppm	PASS	180000
Organic tin	<0.1 ppm	<0.1 ppm	PASS	12
Zinc (Zn)	2.2 ppm	<1 ppm	PASS	46000

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

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

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

Black granule

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	<0.1 ppm	<0.1 ppm	PASS	560
Arsenic (As)	<0.1 ppm	<0.1 ppm	PASS	47
Barium (Ba)	<0.1 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	<0.1 ppm	<0.1 ppm	PASS	17
Chromium (III)	<0.1 ppm	<0.1 ppm	PASS	460
Chromium (VI)	<0.1 ppm	0.1 ppm	PASS	0.2
Lead (Pb)	<0.1 ppm	<0.1 ppm	PASS	160
Mercury (Hg)	<0.01 ppm	<0.01 ppm	PASS	94
Selenium (Se)	<0.1 ppm	<0.1 ppm	PASS	460
Aluminium (Al)	7 ppm	<1 ppm	PASS	70000
Boron (B)	0.2 ppm	<1 ppm	PASS	15000
Cobalt (Co)	<0.1 ppm	<1 ppm	PASS	130
Copper (Cu)	0.4 ppm	<1 ppm	PASS	7700
Manganese (Mn)	0.5 ppm	<1 ppm	PASS	15000
Nickel (Ni)	<0.1 ppm	<1 ppm	PASS	930
Strontium (Sr)	3.2 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	<0.1 ppm	<1.2 ppm	PASS	180000
Organic tin	<0.1 ppm	<0.1 ppm	PASS	12
Zinc (Zn)	3.2 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

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 3				
White granule				
	RESULT (ppm)	DETECTION LIMIT		
	PASS/FAIL	REQUIREMENT (ppm)		
Antimony (Sb)	<0.1 ppm	<0.1 ppm	PASS	560
Arsenic (As)	<0.1 ppm	<0.1 ppm	PASS	47
Barium (Ba)	1.2 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	<0.1 ppm	<0.1 ppm	PASS	17
Chromium (III)	<0.1 ppm	<0.1 ppm	PASS	460
Chromium (VI)	<0.1 ppm	0.1 ppm	PASS	0.2
Lead (Pb)	<0.1 ppm	<0.1 ppm	PASS	160
Mercury (Hg)	<0.01 ppm	<0.01 ppm	PASS	94
Selenium (Se)	<0.1 ppm	<0.1 ppm	PASS	460
Aluminium (Al)	1.4 ppm	<1 ppm	PASS	70000
Boron (B)	0.2 ppm	<1 ppm	PASS	15000
Cobalt (Co)	<0.1 ppm	<1 ppm	PASS	130
Copper (Cu)	0.5 ppm	<1 ppm	PASS	7700
Manganese (Mn)	0.6 ppm	<1 ppm	PASS	15000
Nickel (Ni)	<0.1 ppm	<1 ppm	PASS	930
Strontium (Sr)	4.3 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	<0.1 ppm	<1.2 ppm	PASS	180000
Organic tin	<0.1 ppm	<0.1 ppm	PASS	12
Zinc (Zn)	0.5 ppm	<1 ppm	PASS	46000

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

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

Test Method	Result	Requirements
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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 4

Red granule

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	<0.1 ppm	<0.1 ppm	PASS	560
Arsenic (As)	<0.1 ppm	<0.1 ppm	PASS	47
Barium (Ba)	<0.1 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	<0.1 ppm	<0.1 ppm	PASS	17
Chromium (III)	<0.1 ppm	<0.1 ppm	PASS	460
Chromium (VI)	<0.1 ppm	0.1 ppm	PASS	0.2
Lead (Pb)	0.2 ppm	<0.1 ppm	PASS	160
Mercury (Hg)	<0.01 ppm	<0.01 ppm	PASS	94
Selenium (Se)	<0.1 ppm	<0.1 ppm	PASS	460
Aluminium (Al)	0.7 ppm	<1 ppm	PASS	70000
Boron (B)	0.3 ppm	<1 ppm	PASS	15000
Cobalt (Co)	<0.1 ppm	<1 ppm	PASS	130
Copper (Cu)	0.4 ppm	<1 ppm	PASS	7700
Manganese (Mn)	1 ppm	<1 ppm	PASS	15000
Nickel (Ni)	<0.1 ppm	<1 ppm	PASS	930
Strontium (Sr)	4.6 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	<0.1 ppm	<1.2 ppm	PASS	180000
Organic tin	<0.1 ppm	<0.1 ppm	PASS	12
Zinc (Zn)	10.7 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

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 5				
Navy granule				
	RESULT (ppm)	DETECTION LIMIT		
	PASS/FAIL	REQUIREMENT (ppm)		
Antimony (Sb)	<0.1 ppm	<0.1 ppm	PASS	560
Arsenic (As)	<0.1 ppm	<0.1 ppm	PASS	47
Barium (Ba)	0.3 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	<0.1 ppm	<0.1 ppm	PASS	17
Chromium (III)	<0.1 ppm	<0.1 ppm	PASS	460
Chromium (VI)	<0.1 ppm	0.1 ppm	PASS	0.2
Lead (Pb)	0.1 ppm	<0.1 ppm	PASS	160
Mercury (Hg)	<0.01 ppm	<0.01 ppm	PASS	94
Selenium (Se)	<0.1 ppm	<0.1 ppm	PASS	460
Aluminium (Al)	242.9 ppm	<1 ppm	PASS	70000
Boron (B)	1.8 ppm	<1 ppm	PASS	15000
Cobalt (Co)	<0.1 ppm	<1 ppm	PASS	130
Copper (Cu)	0.1 ppm	<1 ppm	PASS	7700
Manganese (Mn)	0.6 ppm	<1 ppm	PASS	15000
Nickel (Ni)	<0.1 ppm	<1 ppm	PASS	930
Strontium (Sr)	3.7 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	<0.1 ppm	<1.2 ppm	PASS	180000
Organic tin	<0.1 ppm	<0.1 ppm	PASS	12
Zinc (Zn)	38.6 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

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 6

Purple granule

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	<0.1 ppm	<0.1 ppm	PASS	560
Arsenic (As)	<0.1 ppm	<0.1 ppm	PASS	47
Barium (Ba)	0.2 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	<0.1 ppm	<0.1 ppm	PASS	17
Chromium (III)	<0.1 ppm	<0.1 ppm	PASS	460
Chromium (VI)	<0.1 ppm	0.1 ppm	PASS	0.2
Lead (Pb)	0.1 ppm	<0.1 ppm	PASS	160
Mercury (Hg)	<0.01 ppm	<0.01 ppm	PASS	94
Selenium (Se)	<0.1 ppm	<0.1 ppm	PASS	460
Aluminium (Al)	214.7 ppm	<1 ppm	PASS	70000
Boron (B)	1.7 ppm	<1 ppm	PASS	15000
Cobalt (Co)	<0.1 ppm	<1 ppm	PASS	130
Copper (Cu)	0.1 ppm	<1 ppm	PASS	7700
Manganese (Mn)	0.4 ppm	<1 ppm	PASS	15000
Nickel (Ni)	<0.1 ppm	<1 ppm	PASS	930
Strontium (Sr)	2.6 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	<0.1 ppm	<1.2 ppm	PASS	180000
Organic tin	<0.1 ppm	<0.1 ppm	PASS	12
Zinc (Zn)	34.5 ppm	<1 ppm	PASS	46000

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

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

Test Method	Result	Requirements		
Toxic Elements Analysis				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
Sample 7				
Grey granule				
	RESULT (ppm)	DETECTION LIMIT		
	PASS/FAIL	REQUIREMENT (ppm)		
Antimony (Sb)	<0.1 ppm	<0.1 ppm	PASS	560
Arsenic (As)	<0.1 ppm	<0.1 ppm	PASS	47
Barium (Ba)	<0.1 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	<0.1 ppm	<0.1 ppm	PASS	17
Chromium (III)	<0.1 ppm	<0.1 ppm	PASS	460
Chromium (VI)	<0.1 ppm	0.1 ppm	PASS	0.2
Lead (Pb)	<0.1 ppm	<0.1 ppm	PASS	160
Mercury (Hg)	<0.01 ppm	<0.01 ppm	PASS	94
Selenium (Se)	<0.1 ppm	<0.1 ppm	PASS	460
Aluminium (Al)	6.6 ppm	<1 ppm	PASS	70000
Boron (B)	<0.1 ppm	<1 ppm	PASS	15000
Cobalt (Co)	<0.1 ppm	<1 ppm	PASS	130
Copper (Cu)	0.4 ppm	<1 ppm	PASS	7700
Manganese (Mn)	0.3 ppm	<1 ppm	PASS	15000
Nickel (Ni)	<0.1 ppm	<1 ppm	PASS	930
Strontium (Sr)	2.8 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	<0.1 ppm	<1.2 ppm	PASS	180000
Organic tin	<0.1 ppm	<0.1 ppm	PASS	12
Zinc (Zn)	3.1 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

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 8				
Green granule				
	RESULT (ppm)	DETECTION LIMIT		
	PASS/FAIL	REQUIREMENT (ppm)		
Antimony (Sb)	<0.1 ppm	<0.1 ppm	PASS	560
Arsenic (As)	<0.1 ppm	<0.1 ppm	PASS	47
Barium (Ba)	<0.1 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	<0.1 ppm	<0.1 ppm	PASS	17
Chromium (III)	<0.1 ppm	<0.1 ppm	PASS	460
Chromium (VI)	<0.1 ppm	0.1 ppm	PASS	0.2
Lead (Pb)	0.1 ppm	<0.1 ppm	PASS	160
Mercury (Hg)	<0.01 ppm	<0.01 ppm	PASS	94
Selenium (Se)	<0.1 ppm	<0.1 ppm	PASS	460
Aluminium (Al)	0.5 ppm	<1 ppm	PASS	70000
Boron (B)	0.2 ppm	<1 ppm	PASS	15000
Cobalt (Co)	<0.1 ppm	<1 ppm	PASS	130
Copper (Cu)	0.4 ppm	<1 ppm	PASS	7700
Manganese (Mn)	0.7 ppm	<1 ppm	PASS	15000
Nickel (Ni)	<0.1 ppm	<1 ppm	PASS	930
Strontium (Sr)	4.3 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	<0.1 ppm	<1.2 ppm	PASS	180000
Organic tin	<0.1 ppm	<0.1 ppm	PASS	12
Zinc (Zn)	9.8 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

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 9				
Orange granule				
	RESULT (ppm)	DETECTION LIMIT		
	PASS/FAIL	REQUIREMENT (ppm)		
Antimony (Sb)	<0.1 ppm	<0.1 ppm	PASS	560
Arsenic (As)	<0.1 ppm	<0.1 ppm	PASS	47
Barium (Ba)	2.8 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	<0.1 ppm	<0.1 ppm	PASS	17
Chromium (III)	<0.1 ppm	<0.1 ppm	PASS	460
Chromium (VI)	<0.1 ppm	0.1 ppm	PASS	0.2
Lead (Pb)	0.1 ppm	<0.1 ppm	PASS	160
Mercury (Hg)	<0.01 ppm	<0.01 ppm	PASS	94
Selenium (Se)	<0.1 ppm	<0.1 ppm	PASS	460
Aluminium (Al)	2.9 ppm	<1 ppm	PASS	70000
Boron (B)	0.1 ppm	<1 ppm	PASS	15000
Cobalt (Co)	<0.1 ppm	<1 ppm	PASS	130
Copper (Cu)	0.4 ppm	<1 ppm	PASS	7700
Manganese (Mn)	0.6 ppm	<1 ppm	PASS	15000
Nickel (Ni)	<0.1 ppm	<1 ppm	PASS	930
Strontium (Sr)	4 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	<0.1 ppm	<1.2 ppm	PASS	180000
Organic tin	<0.1 ppm	<0.1 ppm	PASS	12
Zinc (Zn)	2.2 ppm	<1 ppm	PASS	46000

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection Limit

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

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 10				
Yellow granule				
	RESULT (ppm)	DETECTION LIMIT		
		PASS/FAIL		
		REQUIREMENT (ppm)		
Antimony (Sb)	<0.1 ppm	<0.1 ppm	PASS	560
Arsenic (As)	<0.1 ppm	<0.1 ppm	PASS	47
Barium (Ba)	2.3 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	<0.1 ppm	<0.1 ppm	PASS	17
Chromium (III)	<0.1 ppm	<0.1 ppm	PASS	460
Chromium (VI)	<0.1 ppm	0.1 ppm	PASS	0.2
Lead (Pb)	0.1 ppm	<0.1 ppm	PASS	160
Mercury (Hg)	<0.01 ppm	<0.01 ppm	PASS	94
Selenium (Se)	<0.1 ppm	<0.1 ppm	PASS	460
Aluminium (Al)	2.7 ppm	<1 ppm	PASS	70000
Boron (B)	0.1 ppm	<1 ppm	PASS	15000
Cobalt (Co)	<0.1 ppm	<1 ppm	PASS	130
Copper (Cu)	0.2 ppm	<1 ppm	PASS	7700
Manganese (Mn)	0.5 ppm	<1 ppm	PASS	15000
Nickel (Ni)	<0.1 ppm	<1 ppm	PASS	930
Strontium (Sr)	3.5 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	<0.1 ppm	<1.2 ppm	PASS	180000
Organic tin	<0.1 ppm	<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

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 11				
Blue granule				
	RESULT (ppm)	DETECTION LIMIT		
		PASS/FAIL		
		REQUIREMENT (ppm)		
Antimony (Sb)	<0.1 ppm	<0.1 ppm	PASS	560
Arsenic (As)	<0.1 ppm	<0.1 ppm	PASS	47
Barium (Ba)	<0.1 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	<0.1 ppm	<0.1 ppm	PASS	17
Chromium (III)	<0.1 ppm	<0.1 ppm	PASS	460
Chromium (VI)	<0.1 ppm	0.1 ppm	PASS	0.2
Lead (Pb)	<0.1 ppm	<0.1 ppm	PASS	160
Mercury (Hg)	<0.01 ppm	<0.01 ppm	PASS	94
Selenium (Se)	<0.1 ppm	<0.1 ppm	PASS	460
Aluminium (Al)	1.1 ppm	<1 ppm	PASS	70000
Boron (B)	<0.1 ppm	<1 ppm	PASS	15000
Cobalt (Co)	<0.1 ppm	<1 ppm	PASS	130
Copper (Cu)	0.4 ppm	<1 ppm	PASS	7700
Manganese (Mn)	0.5 ppm	<1 ppm	PASS	15000
Nickel (Ni)	<0.1 ppm	<1 ppm	PASS	930
Strontium (Sr)	3.8 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	<0.1 ppm	<1.2 ppm	PASS	180000
Organic tin	<0.1 ppm	<0.1 ppm	PASS	12
Zinc (Zn)	22.2 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

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 12				
Pink granule				
	RESULT (ppm)	DETECTION LIMIT		
	PASS/FAIL	REQUIREMENT (ppm)		
Antimony (Sb)	<0.1 ppm	<0.1 ppm	PASS	560
Arsenic (As)	<0.1 ppm	<0.1 ppm	PASS	47
Barium (Ba)	<0.1 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	<0.1 ppm	<0.1 ppm	PASS	17
Chromium (III)	<0.1 ppm	<0.1 ppm	PASS	460
Chromium (VI)	<0.1 ppm	0.1 ppm	PASS	0.2
Lead (Pb)	<0.1 ppm	<0.1 ppm	PASS	160
Mercury (Hg)	<0.01 ppm	<0.01 ppm	PASS	94
Selenium (Se)	<0.1 ppm	<0.1 ppm	PASS	460
Aluminium (Al)	1.7 ppm	<1 ppm	PASS	70000
Boron (B)	0.2 ppm	<1 ppm	PASS	15000
Cobalt (Co)	<0.1 ppm	<1 ppm	PASS	130
Copper (Cu)	0.4 ppm	<1 ppm	PASS	7700
Manganese (Mn)	0.4 ppm	<1 ppm	PASS	15000
Nickel (Ni)	<0.1 ppm	<1 ppm	PASS	930
Strontium (Sr)	3.6 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	<0.1 ppm	<1.2 ppm	PASS	180000
Organic tin	<0.1 ppm	<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

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 13

Fuchsia granule

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	<0.1 ppm	<0.1 ppm	PASS	560
Arsenic (As)	<0.1 ppm	<0.1 ppm	PASS	47
Barium (Ba)	<0.1 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	<0.1 ppm	<0.1 ppm	PASS	17
Chromium (III)	<0.1 ppm	<0.1 ppm	PASS	460
Chromium (VI)	<0.1 ppm	0.1 ppm	PASS	0.2
Lead (Pb)	<0.1 ppm	<0.1 ppm	PASS	160
Mercury (Hg)	<0.01 ppm	<0.01 ppm	PASS	94
Selenium (Se)	<0.1 ppm	<0.1 ppm	PASS	460
Aluminium (Al)	0.9 ppm	<1 ppm	PASS	70000
Boron (B)	<0.1 ppm	<1 ppm	PASS	15000
Cobalt (Co)	<0.1 ppm	<1 ppm	PASS	130
Copper (Cu)	0.4 ppm	<1 ppm	PASS	7700
Manganese (Mn)	0.5 ppm	<1 ppm	PASS	15000
Nickel (Ni)	<0.1 ppm	<1 ppm	PASS	930
Strontium (Sr)	2.9 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	<0.1 ppm	<1.2 ppm	PASS	180000
Organic tin	<0.1 ppm	<0.1 ppm	PASS	12
Zinc (Zn)	18.3 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

Test Method	Result	Requirements
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TOTAL PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004

EN14372 :2004 Method By Gas Chromotographic- Mass Spectrometric (GC- MS) Analysis : 2004

Sample 1&2&3

1- Composite sample of light pink granule, light pink plastic, black granule, black plastic, white granule (Sample 1&2&3)	
	RESULT (%, w/w)
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)
	RESULT (%, w/w)
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)

REMARK =The Above Limit 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.
=Correction of the mass due to untreated textile components has been done

ppm (part per million) =mg / kg
Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than
* =EXCEEDED LIMIT

ND =Not Detected

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
TOTAL PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
EN14372 :2004 Method By Gas Chromatographic- Mass Spectrometric (GC- MS) Analysis : 2004		
Sample 3&4&5		
2- Composite sample of white plastic, red granule, red plastic, navy granule, navy plastic (Sample 3&4&5)		
	<u>RESULT (%. w/w)</u>	
DIBUTYL PHTHALATE (DBP)	ND	
DIETHYL HEXYL PHTHALATE (DEHP)	ND	
BENZYL BUTYL PHTHALATE (BBP)	ND	
SUM OF THREE PHTHALATES	ND	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (%. w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	ND	
DI-N-OCTYL PHTHALATE (DNOP)	ND	
DI-ISO-DECYL PHTHALATE (DIDP)	ND	
SUM OF THREE PHTHALATES	ND	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK =The Above Limit 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.
=Correction of the mass due to untreated textile components has been done

ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 ND =Not Detected

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
TOTAL PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
EN14372 :2004 Method By Gas Chromatographic- Mass Spectrometric (GC- MS) Analysis : 2004		
Sample 6&7&8		
1- Composite sample of purple granule, purple plastic, grey granule, grey plastic, green granule (Sample 6&7&8)		
	<u>RESULT (%. w/w)</u>	
DIBUTYL PHTHALATE (DBP)	ND	
DIETHYL HEXYL PHTHALATE (DEHP)	ND	
BENZYL BUTYL PHTHALATE (BBP)	ND	
SUM OF THREE PHTHALATES	ND	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (%. w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	ND	
DI-N-OCTYL PHTHALATE (DNOP)	ND	
DI-ISO-DECYL PHTHALATE (DIDP)	ND	
SUM OF THREE PHTHALATES	ND	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK =The Above Limit 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.
 =Correction of the mass due to untreated textile components has been done

ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 ND =Not Detected

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
TOTAL PHTHALATE CONTENT		
INTERTEK IHTM AL.2.026 based on EN 14372 : 2004		
EN14372 :2004 Method By Gas Chromatographic- Mass Spectrometric (GC- MS) Analysis : 2004		
Sample 8&9&10		
2- Composite sample of green plastic, orange granule, orange plastic, yellow plastic, yellow granule (Sample 8&9&10)		
	<u>RESULT (%. w/w)</u>	
DIBUTYL PHTHALATE (DBP)	ND	
DIETHYL HEXYL PHTHALATE (DEHP)	ND	
BENZYL BUTYL PHTHALATE (BBP)	ND	
SUM OF THREE PHTHALATES	ND	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	
	<u>RESULT (%. w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	ND	
DI-N-OCTYL PHTHALATE (DNOP)	ND	
DI-ISO-DECYL PHTHALATE (DIDP)	ND	
SUM OF THREE PHTHALATES	ND	
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)	

REMARK =The Above Limit 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.
=Correction of the mass due to untreated textile components has been done

ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 ND =Not Detected

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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TOTAL PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004

EN14372 :2004 Method By Gas Chromatographic- Mass Spectrometric (GC- MS) Analysis : 2004

Sample 11&12

1- Composite sample of blue granule, blue plastic, pink granule (Sample 11&12)	
	<u>RESULT (%. w/w)</u>
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)
	<u>RESULT (%. w/w)</u>
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)

REMARK =The Above Limit 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.
 =Correction of the mass due to untreated textile components has been done

ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 ND =Not Detected

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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TOTAL PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004

EN14372 :2004 Method By Gas Chromatographic- Mass Spectrometric (GC- MS) Analysis : 2004

Sample 12&13



2- Composite sample of pink plastic, fuchsia granule, fuchsia plastic (Sample 12&13)	
	RESULT (%. w/w)
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)
	RESULT (%. w/w)
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0,1% (1000 ppm)

REMARK =The Above Limit 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.
=Correction of the mass due to untreated textile components has been done

ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 ND =Not Detected

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
Sample 1&2&3&4&5&6&7&8&9&10&11&12&13		
		
		

Test Method	Result	Requirements
		
		

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Test Method	Result	Requirements
		
		

Test Method	Result	Requirements
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Sample 14



END OF TEST REPORT