

TEST REPORT

REPORT NUMBER : TURT110016946-REVISED 03
APPLICANT NAME Uçar Oyuncak San.ve Tic.Ltd.Şti.
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Attention :Mine Uçar (info@ucaroyuncak.com)

BUYER NOT GIVEN

SAMPLE DESCRIPTION :

Sample 1 One sample of orange, blue, yellow, black plastic truck& 38 pieces multicoloured plastic blocks
Sample 2 One sample of red, yellow, black plastic fire truck& 38 pieces multicoloured plastic blocks
Sample 3 One sample of orange, blue, yellow, black plastic garbage truck& 38 pieces multicoloured plastic blocks
Sample 4 One sample of light pink granule
One sample of black granule
One sample of white granule
One sample of red granule
One sample of navy granule
One sample of purple granule
One sample of grey granule
One sample of green granule
One sample of orange granule
One sample of yellow granule
One sample of blue granule
One sample of pink granule
One sample of fuchsia granule

DATE IN : 22 February, 2011 (16:54)
RE-SUBMIT DATE: 01 March, 2011
DATE OUT : 03 March, 2011 / 26 June, 2012 / 17 October, 2012 / 29 August, 2013
MODEL NO : TONTON TRUCK & 38 PIECES BLOCK
TONTON FIRE TRUCK & 38 PIECES BLOCK
TONTON GARBAGE TRUCK & 38 PIECES BLOCK

MODEL NO: 84 TONTON TRUCK & 38 PIECES BLOCK
85 TONTON FIRE TRUCK & 38 PIECES BLOCK
86 TONTON GARBAGE TRUCK .6 38 PIECES BLOCK

PP



Pelin Turan

Melahat YILDIRIM
COORDINATOR

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Sinan Öncel
CUSTOMER CARE MANAGER

Intertek Test Hizmetleri A.S.
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110016946

Test Method	Result	Requirements
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ITEM NO : 84-85-86

COUNTRY OF ORIGIN: TURKEY (SAMPLE 1&2&3)

NOTE: In this revised 03 report, Toxic Elements Analysis and Total Phthalate Content tests results (sample 4) were taken from report no TURT130108487 dated on 29 July, 2013 and previous Safety Of Toys Part 3:Specification For Migration Of Certain Elements and Total Phthalate Content tests results were removed by the request of the applicant.

TEST	Sample 1	Sample 2	Sample 3	Sample 4
SAFETY OF TOYS-PART 1 MECHANICAL AND PHYSICAL PROPERTIES	P (Except 7.1)	P (Except 7.1)	P (Except 7.1)	X
SAFETY OF TOYS-PART 2:FLAMMABILITY	P	P	P	X
TOXIC ELEMENTS ANALYSIS	X	X	X	P
TOTAL PHTHALATE CONTENT	X	X	X	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

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

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



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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: 2011- Safety of Toys - Specification for Mechanical and Physical Properties
Sample 1**

The item was labeled “WARNING! Choking hazard small parts not for children under 18+.”
The item was tested for children aged over 10 months by the request of the applicant.
The item was packaging in a card board box with a window which was considered to be disposable.

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
	c)Metal points&wires	Pass
	f)Surface&accessible edges-free from splinter	Pass
5.10	Small Balls	Pass
7	Warning and Instruction for Use	
7.1	General The item, its packaging or accompanying leaflet must be labeled with: -The name and address of the manufacturer or authorized representative or importer. -Warning and other information should be in the national language of the countries where the toy is marketed.	See Comment
7.2	Toys not intended for children under 36 months If the toy will sell for children under 3 years the age warning should be removed.	See Comment



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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: 2011- Safety of Toys - Specification for Mechanical and Physical Properties

Sample 2

The item was labeled “WARNING! Choking hazard small parts not for children under 18+.”
 The item was tested for children aged over 36 months by the request of the applicant.
 The item was packaging in a card board box with a window which was considered to be disposable.

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 The item, its packaging or accompanying leaflet must be labeled with: -The name and address of the manufacturer or authorized representative or importer. -Warning and other information should be in the national language of the countries where the toy is marketed.	See Comment
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 graphical symbol.	See Comment



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: 2011- Safety of Toys - Specification for Mechanical and Physical Properties

Sample 3

The item was labeled “WARNING! Choking hazard small parts not for children under 18+.”
 The item was tested for children aged over 10 months by the request of the applicant.
 The item was packaging in a card board box with a window which was considered to be disposable.

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	
	General Requirements	
	a)Toys and removable components	Pass
	b)Use and abuse test and springs	Pass
	c)Metal points&wires	Pass
	f)Surface&accessible edges-free from splinter	Pass
5.10	Small Balls	Pass
7	Warning and Instruction for Use	
7.1	General	Pass



Test Method	Result	Requirements
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(*)Specification: BS EN 71-2: 2011 Safety of Toys – Flammability

Sample 1&2&3

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



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Test Method	Result	Requirements
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Toxic Elements Analysis

PR EN 71-3 : 2013

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

Sample 4

Light pink granule	<u>RESULT (ppm)</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	< 0.1 ppm	PASS	560
Arsenic (As)	< 0.1 ppm	PASS	47
Barium (Ba)	< 0.1 ppm	PASS	18750
Cadmium (Cd)	< 0.1 ppm	PASS	17
Chromium (III)	< 0.1 ppm	PASS	460
Chromium (VI)	< 0.1 ppm	PASS	0,2
Lead (Pb)	< 0.1 ppm	PASS	160
Mercury (Hg)	< 0.01 ppm	PASS	94
Selenium (Se)	< 0.1 ppm	PASS	460
Aluminium (Al)	2 ppm	PASS	70000
Boron (B)	0.2 ppm	PASS	15000
Cobalt (Co)	< 0.1 ppm	PASS	130
Copper (Cu)	0.4 ppm	PASS	7700
Manganese (Mn)	0.5 ppm	PASS	15000
Nickel (Ni)	< 0.1 ppm	PASS	930
Strontium (Sr)	3.7 ppm	PASS	56000
Tin (Sn)	< 0.1 ppm	PASS	180000
Organic tin	< 0.1 ppm	PASS	12
Zinc (Zn)	2.2 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

PR EN 71-3 : 2013

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

Sample 4

Black granule

	<u>RESULT (ppm)</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	< 0.1 ppm	PASS	560
Arsenic (As)	< 0.1 ppm	PASS	47
Barium (Ba)	< 0.1 ppm	PASS	18750
Cadmium (Cd)	< 0.1 ppm	PASS	17
Chromium (III)	< 0.1 ppm	PASS	460
Chromium (VI)	< 0.1 ppm	PASS	0,2
Lead (Pb)	< 0.1 ppm	PASS	160
Mercury (Hg)	< 0.01 ppm	PASS	94
Selenium (Se)	< 0.1 ppm	PASS	460
Aluminium (Al)	7 ppm	PASS	70000
Boron (B)	< 0.1 ppm	PASS	15000
Cobalt (Co)	< 0.1 ppm	PASS	130
Copper (Cu)	0.4 ppm	PASS	7700
Manganese (Mn)	0.5 ppm	PASS	15000
Nickel (Ni)	< 0.1 ppm	PASS	930
Strontium (Sr)	3.2 ppm	PASS	56000
Tin (Sn)	< 0.1 ppm	PASS	180000
Organic tin	< 0.1 ppm	PASS	12
Zinc (Zn)	3.2 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

PR EN 71-3 : 2013

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Sample 4

White granule	RESULT (ppm)	PASS/FAIL	REQUIREMENT (ppm)
Antimony (Sb)	< 0.1 ppm	PASS	560
Arsenic (As)	< 0.1 ppm	PASS	47
Barium (Ba)	1.2 ppm	PASS	18750
Cadmium (Cd)	< 0.1 ppm	PASS	17
Chromium (III)	< 0.1 ppm	PASS	460
Chromium (VI)	< 0.1 ppm	PASS	0,2
Lead (Pb)	< 0.1 ppm	PASS	160
Mercury (Hg)	< 0.01 ppm	PASS	94
Selenium (Se)	< 0.1 ppm	PASS	460
Aluminium (Al)	1.4 ppm	PASS	70000
Boron (B)	< 0.1 ppm	PASS	15000
Cobalt (Co)	< 0.1 ppm	PASS	130
Copper (Cu)	0.5 ppm	PASS	7700
Manganese (Mn)	0.6 ppm	PASS	15000
Nickel (Ni)	< 0.1 ppm	PASS	930
Strontium (Sr)	4.3 ppm	PASS	56000
Tin (Sn)	< 0.1 ppm	PASS	180000
Organic tin	< 0.1 ppm	PASS	12
Zinc (Zn)	0.5 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

PR EN 71-3 : 2013

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

Sample 4

Red granule	RESULT (ppm)	PASS/FAIL	REQUIREMENT (ppm)
Antimony (Sb)	< 0.1 ppm	PASS	560
Arsenic (As)	< 0.1 ppm	PASS	47
Barium (Ba)	< 0.1 ppm	PASS	18750
Cadmium (Cd)	< 0.1 ppm	PASS	17
Chromium (III)	< 0.1 ppm	PASS	460
Chromium (VI)	< 0.1 ppm	PASS	0,2
Lead (Pb)	0.2 ppm	PASS	160
Mercury (Hg)	< 0.01 ppm	PASS	94
Selenium (Se)	< 0.1 ppm	PASS	460
Aluminium (Al)	0.7 ppm	PASS	70000
Boron (B)	0.3 ppm	PASS	15000
Cobalt (Co)	< 0.1 ppm	PASS	130
Copper (Cu)	0.4 ppm	PASS	7700
Manganese (Mn)	1 ppm	PASS	15000
Nickel (Ni)	< 0.1 ppm	PASS	930
Strontium (Sr)	4.6 ppm	PASS	56000
Tin (Sn)	< 0.1 ppm	PASS	180000
Organic tin	< 0.1 ppm	PASS	12
Zinc (Zn)	10.7 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

PR EN 71-3 : 2013

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

Sample 4

Navy granule

	<u>RESULT (ppm)</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	< 0.1 ppm	PASS	560
Arsenic (As)	< 0.1 ppm	PASS	47
Barium (Ba)	0.3 ppm	PASS	18750
Cadmium (Cd)	< 0.1 ppm	PASS	17
Chromium (III)	< 0.1 ppm	PASS	460
Chromium (VI)	< 0.1 ppm	PASS	0,2
Lead (Pb)	0.1 ppm	PASS	160
Mercury (Hg)	< 0.01 ppm	PASS	94
Selenium (Se)	< 0.1 ppm	PASS	460
Aluminium (Al)	242.9 ppm	PASS	70000
Boron (B)	1.8 ppm	PASS	15000
Cobalt (Co)	< 0.1 ppm	PASS	130
Copper (Cu)	0.1 ppm	PASS	7700
Manganese (Mn)	0.6 ppm	PASS	15000
Nickel (Ni)	< 0.1 ppm	PASS	930
Strontium (Sr)	3.7 ppm	PASS	56000
Tin (Sn)	< 0.1 ppm	PASS	180000
Organic tin	< 0.1 ppm	PASS	12
Zinc (Zn)	38.6 ppm	PASS	46000

ppm (Part per million)

<

ND

Detection Limit

=mg / kg

=Less Than

=Not Detected

=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

PR EN 71-3 : 2013

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

Sample 4

Purple granule

	<u>RESULT (ppm)</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	< 0.1 ppm	PASS	560
Arsenic (As)	< 0.1 ppm	PASS	47
Barium (Ba)	0.2 ppm	PASS	18750
Cadmium (Cd)	< 0.1 ppm	PASS	17
Chromium (III)	< 0.1 ppm	PASS	460
Chromium (VI)	< 0.1 ppm	PASS	0,2
Lead (Pb)	0.1 ppm	PASS	160
Mercury (Hg)	< 0.01 ppm	PASS	94
Selenium (Se)	< 0.1 ppm	PASS	460
Aluminium (Al)	214.7 ppm	PASS	70000
Boron (B)	1.7 ppm	PASS	15000
Cobalt (Co)	< 0.1 ppm	PASS	130
Copper (Cu)	0.1 ppm	PASS	7700
Manganese (Mn)	0.4 ppm	PASS	15000
Nickel (Ni)	< 0.1 ppm	PASS	930
Strontium (Sr)	2.6 ppm	PASS	56000
Tin (Sn)	< 0.1 ppm	PASS	180000
Organic tin	< 0.1 ppm	PASS	12
Zinc (Zn)	34.5 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 4

Grey granule

	<u>RESULT (ppm)</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	< 0.1 ppm	PASS	560
Arsenic (As)	< 0.1 ppm	PASS	47
Barium (Ba)	< 0.1 ppm	PASS	18750
Cadmium (Cd)	< 0.1 ppm	PASS	17
Chromium (III)	< 0.1 ppm	PASS	460
Chromium (VI)	< 0.1 ppm	PASS	0,2
Lead (Pb)	< 0.1 ppm	PASS	160
Mercury (Hg)	< 0.01 ppm	PASS	94
Selenium (Se)	< 0.1 ppm	PASS	460
Aluminium (Al)	6.6 ppm	PASS	70000
Boron (B)	< 0.1 ppm	PASS	15000
Cobalt (Co)	< 0.1 ppm	PASS	130
Copper (Cu)	0.4 ppm	PASS	7700
Manganese (Mn)	0.3 ppm	PASS	15000
Nickel (Ni)	< 0.1 ppm	PASS	930
Strontium (Sr)	2.8 ppm	PASS	56000
Tin (Sn)	< 0.1 ppm	PASS	180000
Organic tin	< 0.1 ppm	PASS	12
Zinc (Zn)	3.1 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

PR EN 71-3 : 2013

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

Sample 4

Green granule	<u>RESULT (ppm)</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	< 0.1 ppm	PASS	560
Arsenic (As)	< 0.1 ppm	PASS	47
Barium (Ba)	< 0.1 ppm	PASS	18750
Cadmium (Cd)	< 0.1 ppm	PASS	17
Chromium (III)	< 0.1 ppm	PASS	460
Chromium (VI)	< 0.1 ppm	PASS	0,2
Lead (Pb)	0.1 ppm	PASS	160
Mercury (Hg)	< 0.01 ppm	PASS	94
Selenium (Se)	< 0.1 ppm	PASS	460
Aluminium (Al)	0.5 ppm	PASS	70000
Boron (B)	0.2 ppm	PASS	15000
Cobalt (Co)	< 0.1 ppm	PASS	130
Copper (Cu)	0.4 ppm	PASS	7700
Manganese (Mn)	0.7 ppm	PASS	15000
Nickel (Ni)	< 0.1 ppm	PASS	930
Strontium (Sr)	4.3 ppm	PASS	56000
Tin (Sn)	< 0.1 ppm	PASS	180000
Organic tin	< 0.1 ppm	PASS	12
Zinc (Zn)	9.8 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

PR EN 71-3 : 2013

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

Sample 4

Orange granule	RESULT (ppm)	PASS/FAIL	REQUIREMENT (ppm)
Antimony (Sb)	< 0.1 ppm	PASS	560
Arsenic (As)	< 0.1 ppm	PASS	47
Barium (Ba)	2.8 ppm	PASS	18750
Cadmium (Cd)	< 0.1 ppm	PASS	17
Chromium (III)	< 0.1 ppm	PASS	460
Chromium (VI)	< 0.1 ppm	PASS	0,2
Lead (Pb)	0.1 ppm	PASS	160
Mercury (Hg)	< 0.01 ppm	PASS	94
Selenium (Se)	< 0.1 ppm	PASS	460
Aluminium (Al)	2.9 ppm	PASS	70000
Boron (B)	0.1 ppm	PASS	15000
Cobalt (Co)	< 0.1 ppm	PASS	130
Copper (Cu)	0.4 ppm	PASS	7700
Manganese (Mn)	0.6 ppm	PASS	15000
Nickel (Ni)	< 0.1 ppm	PASS	930
Strontium (Sr)	4 ppm	PASS	56000
Tin (Sn)	< 0.1 ppm	PASS	180000
Organic tin	< 0.1 ppm	PASS	12
Zinc (Zn)	2.2 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

PR EN 71-3 : 2013

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

Sample 4

Yellow granule

	<u>RESULT (ppm)</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	< 0.1 ppm	PASS	560
Arsenic (As)	< 0.1 ppm	PASS	47
Barium (Ba)	2.3 ppm	PASS	18750
Cadmium (Cd)	< 0.1 ppm	PASS	17
Chromium (III)	< 0.1 ppm	PASS	460
Chromium (VI)	< 0.1 ppm	PASS	0,2
Lead (Pb)	0.1 ppm	PASS	160
Mercury (Hg)	< 0.01 ppm	PASS	94
Selenium (Se)	< 0.1 ppm	PASS	460
Aluminium (Al)	2.7 ppm	PASS	70000
Boron (B)	0.1 ppm	PASS	15000
Cobalt (Co)	< 0.1 ppm	PASS	130
Copper (Cu)	0.2 ppm	PASS	7700
Manganese (Mn)	0.5 ppm	PASS	15000
Nickel (Ni)	< 0.1 ppm	PASS	930
Strontium (Sr)	3.5 ppm	PASS	56000
Tin (Sn)	< 0.1 ppm	PASS	180000
Organic tin	< 0.1 ppm	PASS	12
Zinc (Zn)	1.7 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

PR EN 71-3 : 2013

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

Sample 4

Blue granule

	<u>RESULT (ppm)</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	< 0.1 ppm	PASS	560
Arsenic (As)	< 0.1 ppm	PASS	47
Barium (Ba)	< 0.1 ppm	PASS	18750
Cadmium (Cd)	< 0.1 ppm	PASS	17
Chromium (III)	< 0.1 ppm	PASS	460
Chromium (VI)	< 0.1 ppm	PASS	0,2
Lead (Pb)	< 0.1 ppm	PASS	160
Mercury (Hg)	< 0.01 ppm	PASS	94
Selenium (Se)	< 0.1 ppm	PASS	460
Aluminium (Al)	1.1 ppm	PASS	70000
Boron (B)	< 0.1 ppm	PASS	15000
Cobalt (Co)	< 0.1 ppm	PASS	130
Copper (Cu)	0.4 ppm	PASS	7700
Manganese (Mn)	0.5 ppm	PASS	15000
Nickel (Ni)	< 0.1 ppm	PASS	930
Strontium (Sr)	3.8 ppm	PASS	56000
Tin (Sn)	< 0.1 ppm	PASS	180000
Organic tin	< 0.1 ppm	PASS	12
Zinc (Zn)	22.2 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

PR EN 71-3 : 2013

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

Sample 4

Pink granule	RESULT (ppm)	PASS/FAIL	REQUIREMENT (ppm)
Antimony (Sb)	< 0.1 ppm	PASS	560
Arsenic (As)	< 0.1 ppm	PASS	47
Barium (Ba)	< 0.1 ppm	PASS	18750
Cadmium (Cd)	< 0.1 ppm	PASS	17
Chromium (III)	< 0.1 ppm	PASS	460
Chromium (VI)	< 0.1 ppm	PASS	0,2
Lead (Pb)	< 0.1 ppm	PASS	160
Mercury (Hg)	< 0.01 ppm	PASS	94
Selenium (Se)	< 0.1 ppm	PASS	460
Aluminium (Al)	1.7 ppm	PASS	70000
Boron (B)	0.2 ppm	PASS	15000
Cobalt (Co)	< 0.1 ppm	PASS	130
Copper (Cu)	0.4 ppm	PASS	7700
Manganese (Mn)	0.4 ppm	PASS	15000
Nickel (Ni)	< 0.1 ppm	PASS	930
Strontium (Sr)	3.6 ppm	PASS	56000
Tin (Sn)	< 0.1 ppm	PASS	180000
Organic tin	< 0.1 ppm	PASS	12
Zinc (Zn)	1.9 ppm	PASS	46000

ppm (Part per million)

<

ND

Detection Limit

=mg / kg

=Less Than

=Not Detected

=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

PR EN 71-3 : 2013

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

Sample 4

Fuchsia granule	RESULT (ppm)	PASS/FAIL	REQUIREMENT (ppm)
Antimony (Sb)	< 0.1 ppm	PASS	560
Arsenic (As)	< 0.1 ppm	PASS	47
Barium (Ba)	< 0.1 ppm	PASS	18750
Cadmium (Cd)	< 0.1 ppm	PASS	17
Chromium (III)	< 0.1 ppm	PASS	460
Chromium (VI)	< 0.1 ppm	PASS	0,2
Lead (Pb)	< 0.1 ppm	PASS	160
Mercury (Hg)	< 0.01 ppm	PASS	94
Selenium (Se)	< 0.1 ppm	PASS	460
Aluminium (Al)	0.9 ppm	PASS	70000
Boron (B)	< 0.1 ppm	PASS	15000
Cobalt (Co)	< 0.1 ppm	PASS	130
Copper (Cu)	0.4 ppm	PASS	7700
Manganese (Mn)	0.5 ppm	PASS	15000
Nickel (Ni)	< 0.1 ppm	PASS	930
Strontium (Sr)	2.9 ppm	PASS	56000
Tin (Sn)	< 0.1 ppm	PASS	180000
Organic tin	< 0.1 ppm	PASS	12
Zinc (Zn)	18.3 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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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 4	
1- Composite sample of light pink granule, light pink plastic, black granule, black plastic, white granule	
	<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 %)



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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 4	
2- Composite sample of white plastic, red granule, red plastic, navy granule, navy plastic	
	<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 %)



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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 4	
3- Composite sample of purple granule, purple plastic, grey granule, grey plastic, green granule	
	<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 %)



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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 4	
4- Composite sample of green plastic, orange granule, orange plastic, yellow plastic, yellow granule	
	<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.
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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 4	
5- Composite sample of blue granule, blue plastic, pink granule	
	<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 %)



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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 4	
6- Composite sample of pink plastic, fuchsia granule, fuchsia plastic	
	<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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Sample 1



Sample 2



Sample 3



Test Method	Result	Requirements
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Sample 4



Test Method	Result	Requirements
		
		

Test Method	Result	Requirements
		
		

Test Method	Result	Requirements
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END OF TEST REPORT