

TEST REPORT

Page 1 of 25

REPORT NUMBER :	:	TURT110016551-REVISED 01
APPLICANT NAME		Uçar Oyuncak San.ve Tic.Ltd.Şti.
ADDRESS		Hadımköy Ömerli Mah.İstanbul Yolu Cad. No:36 Arnavutköy İstanbul TÜRKİYE FAX NO :0212 798 27 52 Attention :Mine Uçar (info@ucaroyuncak.com)
BUYER		NOT GIVEN
SAMPLE DESCRIPTION	:	
	mple 1 mple 2	One sample of red, yellow, black plastic fire truck 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 green granule One sample of orange granule One sample of vellow granule One sample of blue granule One sample of blue granule One sample of pink granule One sample of fuchsia granule
DATE IN :		22 February, 2011 (9:28)
DATE OUT :		28 February, 2011 / 28 August, 2013
ITEM NO :		08 TONTON FIRE TRUCK
COUNTRY OF ORIGIN:		TURKEY
NOTE:		In this revised 01 report, Toxic Elements Analysis and Total Phthalate Content tests results (sample 2) 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.

PP

C . Pelin Turan

Melahat YILDIRIM COORDINATOR



Sinan ÖNCEL CUSTOMER CARE MANAGER





REPORT :TURT110016551-REVISED 01

Page 2 of 25

28 August, 2013

Requirements

Test Method

Result

TEST	Sample 1	Sample 2
SAFETY OF TOYS-PART 1 MECHANICAL AND PHYSICAL PROPERTIES	Р	Х
SAFETY OF TOYS-PART 2:FLAMMABILITY	Р	Х
TOXIC ELEMENTS ANALYSIS	Х	Р
TOTAL PHTHALATE CONTENT	Х	Р

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

The test results relate only to the iterits tested. The whole and/or the part of this test report shall hole be produced and shall hole be shared with third parties, not to be used for PR activities without the written permission of INTERTER Test Hizmeteria A.S. The reported uncertainity is based on a standard uncertainity multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainity 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 uncertainity considered. When uncertainity 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.





REPORT :TURT110016551-REVISED 01

Page 3 of 25

28 August, 2013

Requirements

Test Method

Result

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

Specification: BS EN 71-1: 2005+A9: 2009, EN 71-1: 2005+A9: 2009 – Safety of Toys - Specification for Mechanical and Physical Properties

Sample 1

The item was labeled "WARNING! Choking hazard small parts not for children under 3 **years.**" The item was tested for children aged over 36 months by the request of the applicant. The item was packaging in a net 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	Pass
7.2	Toys not intended for children under 36 months	Pass





REPORT :TURT110016551-REVISED 01

Page 4 of 25

28 August, 2013

Requirements

Test Method

Result

Specification: BS EN 71-2: 2006+A1: 2007, EN 71-2: 2006+A1: 2007 Safety of Toys - Flammability

Sample 1

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





REPORT :TURT110016551-REVISED 01

Page 5 of 25

28 August, 2013

Test Method	Re	Result		
Toxic Elements Analysis PR EN 71-3 : 2013 Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS) Sample 2				
ight pink granule	RESULT (ppm)	PASS/FAIL	<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	
opm (Part per million)	=mg / kg =Less Than			
< ND	=Less Than =Not Detected			

ppm (Part per million)	=mg / kg
<	=Less Than
ND	=Not Detected
Detection Limit	=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm





REPORT :TURT110016551-REVISED 01

Page 6 of 25

28 August, 2013

Test Method	F	Result			
Toxic Elements Analysis PR EN 71-3 : 2013 Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)					
<u>Sample 2</u> Black 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)	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		
pm (Part per million)	=mg / kg				
	=Less Than				
D	=Not Detected				

=Less Than =Not Detected =Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm



Detection Limit

Merkez Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna 34197 - ISTANBUL / TURKEY Phone : +90.212. 496 46 46 Fax: +90.212. 452 80 55 e-mail : labtest.turkey@intertek.com www.intertek-cg-tur.

Intertek Test Hizmetleri A.S.



REPORT :TURT110016551-REVISED 01

Page 7 of 25

28 August, 2013

Test Method	Re	Result		
Toxic Elements Analysis PR EN 71-3 : 2013 Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS) Sample 2				
Vhite granule	<u>RESULT (ppm)</u>	PASS/FAIL	<u>REQUIREMENT (ppm)</u>	
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





REPORT :TURT110016551-REVISED 01

Page 8 of 25

28 August, 2013

Requirements

Test Method

Result

Toxic Elements Analysis

PR EN 71-3 : 2013 Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS) Sample 2

Red granule	RESULT (ppm)	PASS/FAIL	<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)	0.2 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





REPORT :TURT110016551-REVISED 01

Test Method

Page 9 of 25

28 August, 2013

Requirements

Result

Toxic Elements Analysis

PR EN 71-3 : 2013 Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS) Sample 2 Navy granule <u>RESULT (ppm)</u> <u>PASS/FAIL</u> <u>R</u>

Navy granule	RESULT (ppm)	PASS/FAIL	REQUIREMENT (ppm)
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)	=mg / kg
<	=Less Than
ND	=Not Detected
Detection Limit	=Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm





REPORT :TURT110016551-REVISED 01

Page 10 of 25

28 August, 2013

Requirements

Test Method

Result

Toxic Elements Analysis

PR EN 71-3 : 2013 Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)

Purple granule	RESULT (ppm)	PASS/FAIL	REQUIREMENT (ppm)
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) < ND Detection Limit =mg / kg =Less Than =Not Detected =Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm





REPORT :TURT110016551-REVISED 01

Page 11 of 25

28 August, 2013

Requirements

Test Method

Result

Toxic Elements Analysis

PR EN 71-3 : 2013 Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS) Sample 2

<u>Sample 2</u> Grey 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)	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) < ND Detection Limit =mg / kg =Less Than =Not Detected =Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm





REPORT :TURT110016551-REVISED 01

Page 12 of 25

28 August, 2013

Requirements

Test Method

Result

Toxic Elements Analysis

PR EN 71-3 : 2013 Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS) Sample 2 Green granule <u>RESULT (ppm)</u> <u>PASS/FAIL</u> <u>R</u>

reen 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)	0.5 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) < ND Detection Limit

=mg / kg =Less Than =Not Detected =Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm





REPORT :TURT110016551-REVISED 01

Page 13 of 25

28 August, 2013

Test Method

Result

Requirements

Toxic Elements Analysis PR EN 71-3 : 2013

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

<u>Sample</u>	2
Orange	granule

range 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) < ND **Detection Limit**

=mg / kg =Less Than =Not Detected =Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm





REPORT :TURT110016551-REVISED 01

Page 14 of 25

28 August, 2013

Requirements

Test Method

Result

Toxic Elements Analysis

PR EN 71-3 : 2013

Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS) Sample 2

Yellow granule	RESULT (ppm)	PASS/FAIL	REQUIREMENT (ppm)
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





REPORT :TURT110016551-REVISED 01

Page 15 of 25

28 August, 2013

Test Method

Result

Requirements

Toxic Elements Analysis PR EN 71-3 : 2013

PR EN 71-3 : 2013 Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS) <u>Sample 2</u>

Blue 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)	1.1 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





REPORT :TURT110016551-REVISED 01

Page 16 of 25

28 August, 2013

Test Method

Result

Requirements

Toxic Elements Analysis

PR EN 71-3 : 2013 Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS) Sample 2 Pink granule RESULT (ppm) PASS/FAIL R

Pink granule	RESULT (ppm)	PASS/FAIL	<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)	1.7 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





REPORT :TURT110016551-REVISED 01

Page 17 of 25

28 August, 2013

Test Method

Result

Requirements

Toxic Elements Analysis

PR EN 71-3 : 2013 Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS) Sample 2

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)	
<	
ND	
Detection Limit	

=mg / kg =Less Than =Not Detected =Mercury (Hg): <0.01 ppm, Others metal: <0.1 ppm





REPORT :TURT110016551-REVISED 01

Page 18 of 25

28 August, 2013

Test Method

Result

Requirements





REPORT :TURT110016551-REVISED 01

Page 19 of 25

28 August, 2013

Test Method

Result

Requirements

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 2

tic, black granule, black plastic, white granule
<u>RESULT (%, w/w)</u>
ND
ND
ND
ND
TOTAL 0,1% (1000 ppm)
<u>RESULT (%, w/w)</u>
ND
ND
ND
ND
TOTAL 0,1% (1000 ppm)

=The Above Limit Was Quoted According To Annex XVII Items 51&52 of the REACH Regulation REMARK (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 %)





REPORT :TURT110016551-REVISED 01

Page 20 of 25

28 August, 2013

Test Method

Result

Requirements

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

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





REPORT :TURT110016551-REVISED 01

Page 21 of 25

28 August, 2013

Test Method

Result

Requirements

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

3- Composite sample of purple granule, purple plastic	c, 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 %)





REPORT :TURT110016551-REVISED 01

Page 22 of 25

28 August, 2013

Test Method

Result

Requirements

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 2

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)

=The Above Limit Was Quoted According To Annex XVII Items 51&52 of the REACH Regulation REMARK (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 %)





REPORT :TURT110016551-REVISED 01

Page 23 of 25

28 August, 2013

Test Method

Result

Requirements

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

5- Composite sample of blue granule, blue plastic, pink	granule
	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)
	<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 %)





REPORT :TURT110016551-REVISED 01

Page 24 of 25

28 August, 2013

Requirements

Test Method

Result

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 2

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





REPORT :TURT110016551-REVISED 01

Page 25 of 25 28 August, 2013

<image>Test MethodResultRequirements

END OF TEST REPORT

