

TEST REPORT

REPORT NUMBER : TURT150005427-REVISED 02
APPLICANT NAME Uçar Oyuncak San.ve Tic.Ltd.Şti.
ADDRESS Hadımköy Ömerli Mah.İstanbul Yolu Cad. No:195 Arnavutköy İstanbul TÜRKİYE
FAX NO :0212 798 27 52
Attention : Mine Uçar (info@ucaroyuncak.com)
BUYER NOT GIVEN
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 sample of Tonton truck &38 pieces blocks - 84
DATE IN : 13 January, 2015 (10:17)
DATE OUT : 19 January, 2015 / 20 January, 2015 / 29 January, 2015
COUNTRY OF ORIGIN: TURKEY
ITEM NO: 84 TONTON TRUCK & 38 PIECES BLOCKS
YOUR REFERENCE: 85 TONTON FIRE TRUCK&38 PIECES BLOCKS
86 TONTON GARBAGE TRUCK&38 PIECES BLOCKS
AGE GRADING: CLAIMED TO BE 18 MONTHS AND ABOVE
NOTE 1: In this report, Toxic Elements Analysis and Total Phthalate Content, Safety Of Toys-Part 2:Flammability, Polycyclic Aromatic Hydrocarbons (Pahs) Analysis, Flame Reterdants And Bisphenol A tests results were taken from report number TURT140179156_REVISED 02 dated 19 December, 2014 by the request of the applicant.



Melahat YILDIRIM
COORDINATOR



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



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150005427

Test Method	Result	Requirements
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NOTE 2:

In this revised 02 report, Safety Of Toys-Part 1:Mechanical And Physical Properties And Safety Of Toys-Part 2:Flammability test method name was corrected due to typing error. This report replaced the report no TURT150005427-REVISED 01 dated on 27 January, 2015 and must be used instead of it. Report no TURT150005427-REVISED 01,dated 20 January, 2015 is invalid.

TEST	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7
SAFETY OF TOYS-PART 1:MECHANICAL AND PHYSICAL PROPERTIES	X	X	X	X	X	X	X
SAFETY OF TOYS-PART 2:FLAMMABILITY	X	X	X	X	X	X	X
TOXIC ELEMENTS ANALYSIS	P	P	P	P	P	P	P
TOTAL PHTHALATE CONTENT	P	P	P	P	P	P	P
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) ANALYSIS	X	X	X	X	X	X	X
FLAME RETERDANTS	X	X	X	X	X	X	X
BISPHENOL A	X	X	X	X	X	X	X

TEST	Sample 8	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	X	P
SAFETY OF TOYS-PART 2:FLAMMABILITY	X	X	X	X	X	X	P
TOXIC ELEMENTS ANALYSIS	P	P	P	P	P	P	X
TOTAL PHTHALATE CONTENT	P	P	P	P	P	P	X
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) ANALYSIS	X	X	X	X	X	X	P
FLAME RETERDANTS	X	X	X	X	X	X	P
BISPHENOL A	X	X	X	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/ LS : LACK OF SAMPLE

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 TURKAK 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 TURKAK accreditation. Tests marked (*) in this test report are not included in the TURKAK accreditation schedule for this laboratory.



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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+ A3:2014- Safety of Toys - Specification for Mechanical and Physical Properties

The item was labelled "Warning' Choking hazard. Small parts not for children under 18 + m."

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	
7.1	General	##



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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.** **(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 and importer.

*The manufacturer / importer name is not clearly pointed out as manufacturer / importer It's recommended to be identified with the title of 'manufacturer' / 'importer'.



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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



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 1

Light 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)	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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Toxic Elements Analysis

PR EN 71-3 : 2013

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

Sample 2

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

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 3

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 5

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



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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 6

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)

=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 7

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)

=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 8

Green 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)

=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 9

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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Toxic Elements Analysis

PR EN 71-3 : 2013

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

Sample 10

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



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

Sample 11

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



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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 12

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)

=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 13

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 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
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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 3&4&5

2- Composite sample of white plastic, red granule, red plastic, navy granule, navy plastic (Sample 3&4&5)	
	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
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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 6&7&8

1- Composite sample of purple granule, purple plastic, grey granule, grey plastic, green granule (Sample 6&7&8)	
	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
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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 8&9&10

2- Composite sample of green plastic, orange granule, orange plastic, yellow plastic, yellow granule (Sample 8&9&10)	
	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
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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 11&12

1- Composite sample of blue granule, blue plastic, pink granule (Sample 11&12)	
	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
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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)	
	<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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Polycyclic Aromatic Hydrocarbons (PAHs) Analysis

INTERTEK IHTM AL.2.032 : 2012 based on ZEK 01-04-08

Harmonisierte Methode zur Bestimmung von polycyclischen aromatischen Kohlenwasserstoffen (PAK) in Kunststoffproben ZEK 01-08 AS SOLVENT EXTRACTION AND FOLLOWED BY GAS CHROMATOGRAPHY MASS SPECTROMETRIC (GC/MS) ANALYSIS

1-Composite sample of red plastic part (sample 14), yellow plastic part (sample 14), blue plastic part (sample 14), black plastic part (sample 14), orange plastic part (sample 14)

	<u>RESULT (ppm)</u>	
NAPHTHALENE	Not Detected	
ACENAPHTHYLENE	Not Detected	
ACENAPHTHEN	Not Detected	
FLUORENE	Not Detected	Category 2
PHENANTHRENE	Not Detected	Total 18 PAH : 10 mg/kg
ANTHRACENE	Not Detected	Benzo(a)pyrene : 1 mg/kg
FLUORANTHENE	Not Detected	
PYRENE	Not Detected	
BENZO (a) ANTHRACENE	Not Detected	
CHRYSENE	Not Detected	
BENZO (b) FLUORANTHENE	Not Detected	
BENZO (k) FLUORANTHENE	Not Detected	
BENZO (a) PYRENE	Not Detected	
INDENO (1,2,3-cd) PYRENE	Not Detected	
DIBENZO (a,h) ANTHRACENE	Not Detected	
BENZO (ghi) PERYLENE	Not Detected	
BENZO (J) FLUORANTHENE	Not Detected	
BENZO (E) PYRENE	Not Detected	

SUM (18 PAH):	Not Detected	
ppm (part per million) =mg / kg		
Detection Limit = 0.1 ppm		
n.d. = Not Detected		

(Estimated Total uncertainty=±3%)



Test Method	Result	Requirements
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Polycyclic Aromatic Hydrocarbons (PAHs) Analysis

INTERTEK IHTM AL.2.032 : 2012 based on ZEK 01-04-08

Harmonisierte Methode zur Bestimmung von polycyclischen aromatischen Kohlenwasserstoffen (PAK) in Kunststoffproben ZEK 01-08 AS SOLVENT EXTRACTION AND FOLLOWED BY GAS CHROMATOGRAPHY MASS SPECTROMETRIC (GC/MS) ANALYSIS

2-Composite sample of light blue plastic part (sample 14), light green plastic part (sample 14), white plastic part (sample 14)

	<u>RESULT (ppm)</u>	
NAPHTHALENE	Not Detected	
ACENAPHTHYLENE	Not Detected	
ACENAPHTHEN	Not Detected	
FLUORENE	Not Detected	Category 2
PHENANTHRENE	Not Detected	Total 18 PAH : 10 mg/kg
ANTHRACENE	Not Detected	Benzo(a)pyrene : 1 mg/kg
FLUORANTHENE	Not Detected	
PYRENE	Not Detected	
BENZO (a) ANTHRACENE	Not Detected	
CHRYSENE	Not Detected	
BENZO (b) FLUORANTHENE	Not Detected	
BENZO (k) FLUORANTHENE	Not Detected	
BENZO (a) PYRENE	Not Detected	
INDENO (1,2,3-cd) PYRENE	Not Detected	
DIBENZO (a,h) ANTHRACENE	Not Detected	
BENZO (ghi) PERYLENE	Not Detected	
BENZO (J) FLUORANTHENE	Not Detected	
BENZO (E) PYRENE	Not Detected	

SUM (18 PAH):	Not Detected	
ppm (part per million) =mg / kg		
Detection Limit = 0.1 ppm		
n.d. = Not Detected		

(Estimated Total uncertainty=±3%)



Test Method	Result	Requirements
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(*) Flame Retardants

In House Method Solvent Extraction followed by LC-MS-MS & GC/MS

1-Composite sample of red plastic part (sample 14), yellow plastic part (sample 14), blue plastic part (sample 14), black plastic part (sample 14), orange plastic part (sample 14)

Flame Retardants		CAS No	RESULTS (ppm)	REQUIREMENT (ppm)
Tris- (2,3 dipromopropyl) phosphate	(TRIS)	126-72-7	Not Detected	NOT DETECTED
Polybromobiphenyl	(PBB)	59536-65-1	Not Detected	
Tris-aziridinyl phosphine oxide	(TEPA)	545-55-1	Not Detected	
Pentabromo dipheyl ether	(PentaBDE)	32534-81-9	Not Detected	
Octabromo diphenyl ether	(OctaBDE)	32536-52-0	Not Detected	
Hexabromocyclododecane	(HBCDD)	25637-99-4	Not Detected	
Decabromo diphenyl ether	(DecaDBE)	1163-19-5	Not Detected	
Tris(2-chloroethyl)hosphate	(TCEP)	115-96-8	Not Detected	
Short-chained chlorinated paraffins	(C10-C13)	85535-84-8	Not Detected	
tris(2-chloro-1-methylethyl) phosphate	T CPP	13674-84-5	Not Detected	
tris[2-chloro-1-(chloromethyl)ethyl] phosphate	TDCP	13674-87-8	Not Detected	

ppm : part per million =mg / kg



Test Method	Result	Requirements
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(*) Flame Retardants

In House Method Solvent Extraction followed by LC-MS-MS & GC/MS

2-Composite sample of light blue plastic part (sample 14), light green plastic part (sample 14), white plastic part (sample 14)

Flame Retardants		CAS No	RESULTS (ppm)	REQUIREMENT (ppm)
Tris- (2,3 dipromopropyl) phosphate	(TRIS)	126-72-7	Not Detected	NOT DETECTED
Polybromobiphenyl	(PBB)	59536-65-1	Not Detected	
Tris-aziridinyl phosphine oxide	(TEPA)	545-55-1	Not Detected	
Pentabromo dipheyl ether	(PentaBDE)	32534-81-9	Not Detected	
Octabromo diphenyl ether	(OctaBDE)	32536-52-0	Not Detected	
Hexabromocyclododecane	(HBCDD)	25637-99-4	Not Detected	
Decabromo diphenyl ether	(DecaDBE)	1163-19-5	Not Detected	
Tris(2-chloroethyl)hosphate	(TCEP)	115-96-8	Not Detected	
Short-chained chlorinated paraffins	(C10-C13)	85535-84-8	Not Detected	
tris(2-chloro-1-methylethyl) phosphate	TCPP	13674-84-5	Not Detected	
tris[2-chloro-1-(chloromethyl)ethyl] phosphate	TDCP	13674-87-8	Not Detected	

ppm : part per million =mg / kg



Test Method	Result	Requirements
(*) Bisphenol A Intertek In-House Method by LC-MS-MS		
Sample 14	Not Detected	No Requirement

ppm (parts per million) = mg/kg
Detection Limit= 0,1 ppm
ND= Not Detected

(Estimated Total Uncertainty : $\pm 5\%$)



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Test Method	Result	Requirements
<p style="text-align: center;"><u>Sample 1</u></p> 	<p style="text-align: center;"><u>Sample 2</u></p> 	
<p style="text-align: center;"><u>Sample 3</u></p> 	<p style="text-align: center;"><u>Sample 4</u></p> 	

Test Method	Result	Requirements
<p><u>Sample 5</u></p> 	<p><u>Sample 6</u></p> 	
<p><u>Sample 7</u></p> 	<p><u>Sample 8</u></p> 	

Test Method	Result	Requirements
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Sample 9



Sample 10



Sample 11



Sample 12



Test Method	Result	Requirements
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Sample 13



Sample 14



END OF TEST REPORT

