

TEST REPORT

REPORT NUMBER : TURT150159083 _REVISED 01

APPLICANT NAME Hbk Balon Hasan Bülent Kaplangı

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Attention : Hasan bülent kaplangil (bulent@hbkbalon.com)

BUYER NOT GIVEN

SAMPLE DESCRIPTION : 12 INCH HAZIR BASKI SERİSİ

Sample 1: One sample of 12 inch 1+1 printed moon+star balloon 100pcs
Sample 2: One sample of 12 inch 2+0 amulet printed mixed balloon 100pcs
Sample 3: One sample of 12 inch 2+0 amulet printed white balloon 100pcs
Sample 4: One sample of 12 inch 2+0 amulet printed yellow balloon 100pcs
Sample 5: One sample of 12 inch 2+0 amulet printed light blue balloon 100pcs
Sample 6: One sample of 12 inch 2+0 amulet printed dark blue balloon 100pcs
Sample 7: One sample of 12 inch 2+0 amulet printed pink balloon 100pcs
Sample 8: One sample of 12 inch 2+0 amulet printed red balloon 100pcs
Sample 9: One sample of 12 inch 1+1 12 men yellow&red 1+1 printed pastel balloon 100pcs
Sample 10: One sample of 12 inch 1+1 12 men yellow&navy 1+1 printed pastel balloon 100pcs
Sample 11: One sample of 12 inch 1+1 12 men black&white 1+1 printed pastel balloon 100pcs
Sample 12: One sample of 12 inch 1+1 "It's a girl" printed pastel balloon 100pcs
Sample 13: One sample of 12 inch 1+1 "It's a boy" printed pastel balloon 100pcs
Sample 14: One sample of 12 inch 1+1 "Happy Birthday" printed pastel balloon 100pcs
Sample 15: One sample of 12 inch 1+1 "İyi ki Doğdun" printed pastel balloon 100pcs
Sample 16: One sample of 12 inch 1+1 1 year balloon 100pcs
Sample 17: One sample of 12 inch 1+1 animal series balloon 100pcs
Sample 18: One sample of 12 inch 2+0 animal series balloon 100pcs
Sample 19: One sample of 12 inch 1+1 printed new year balloon 100pcs
Sample 20: One sample of 12 inch 1+1 printed "Happy New Year" balloon 100pcs
Sample 21: One sample of 12 inch 1+1 printed smiley face party balloon 100pcs
Sample 22: One sample of 12 inch 1+1 circumcision series printed balloon 100pcs
Sample 23: One sample of 12 inch 1+1 smile printed yellow balloon 100pcs
Sample 24: One sample of 12 inch 1+1 April 23 printed pastel balloon 100pcs
Sample 25: One sample of 12 inch 1+1 2 years printed pink&white balloon 100pcs
Sample 26: One sample of 12 inch 1+1 2 years printed light blue&white balloon 100pcs
Sample 27: One sample of 12 inch 1+1 2 years printed pastel mixed balloon 100pcs
Sample 28: One sample of 12 inch 1+1 3 years printed pastel mixed balloon 100 pcs
Sample 29: One sample of 12 inch 1+1 "İyi ki doğdun" light blue&white balloon 100pcs
Sample 30: One sample of 12 inch 1+1 "İyi ki doğdun" pink&white balloon 100pcs
Sample 31: One sample of 12 inch 1+1 "Dişim çıktı" light blue&white balloon 100pcs
Sample 32: One sample of 12 inch 1+1 "Dişim çıktı" pink&white balloon 100pcs
Sample 33: One sample of 12 inch 1+1 1 year pink balloon 100pcs

Melihat

Melihat YILDIRIM
COORDINATOR

Sinan ÖNCEL
Customer Care Manager



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150159083

Test Method	Result	Requirements
Sample 34:	One sample of 12 inch 1+1 1 year light blue balloon 100pcs	
Sample 35:	One sample of 12 inch 1+1 pirates balloon 100pcs	
Sample 36:	One sample of 12 inch 1+1 white heart balloon with red print 100pcs	
Sample 37:	One sample of 12 inch 1+1 red heart balloon with white print 100pcs	
Sample 38:	One sample of 12 inch allover dot designed light blue&white printed100pcs	
Sample 39:	One sample of 12 inch allover white heart balloon(red printed) 100pcs	
Sample 40:	One sample of 12 inch allover red heart balloon (white printed) 100pcs	
Sample 41:	One sample of 12 inch allover printed happy birthday	
Sample 42:	One sample of 12 inch allover mouths(white balloon with red printed) 100pcs	
Sample 43:	One sample of 12 inch allover dot designed white printed with red balloon 100pcs	
Sample 44:	One sample of 12 inch allover dot designed red printed with black balloon 100pcs	
Sample 45:	One sample of 12 inch allover dot designed black printed with red balloon 100pcs	
Sample 46:	One sample of 12 inch allover dot designed white printed with pink balloon 100pcs	
Sample 47:	One sample of 12 inch allover butterfly printed balloon 100pcs	
Sample 48:	One sample of 12 inch allover dot designed balloon 100pcs	
Sample 49:	One sample of 12 inch allover star designed balloon 100 pcs	
Sample 50:	One sample of 12 inch allover firework printed balloon 100pcs	
Sample 51:	One sample of 12 inch allover daisy printed balloon 100pcs	
Sample 52:	One sample of 12 inch allover heart designed balloon 100pcs	
Sample 53:	One sample of 12 inch 1+1 I love you printed heart balloon	
Sample 54:	One sample of 12 inch 1+1 "Seni Seviyorum" printed heart balloon	
Sample 55:	One sample of 12 inch Allover dot designed red printed with white balloon 100pcs	
Sample 56:	One sample of 12 inch allover dot designed white print with blue balloon 100pcs	

DATE IN : 07 October, 2015 (13:30)
RESUBMIT DATE: 30 October, 2015
DATE OUT : 15 October,2015/ 02 November , 2015
COUNTRY OF ORIGIN : TURKEY
ITEM NO:

Sample 1: 6303
Sample 2: 6335
Sample 3: 6329
Sample 4: 6330
Sample 5: 6331
Sample 6: 6332
Sample 7: 6333
Sample 8: 6367
Sample 9: 6316
Sample 10: 6317
Sample 11: 6318
Sample 12: 6305
Sample 13: 6306
Sample 14: 6309
Sample 15: 6310
Sample 16: 6334
Sample 17: 6327



Test Method	Result	Requirements
Sample 18:	6328	
Sample 19:	6319	
Sample 20:	6320	
Sample 21:	6313	
Sample 22:	6314	
Sample 23:	6336	
Sample 24:	6337	
Sample 25:	6348	
Sample 26:	6349	
Sample 27:	6350	
Sample 28:	6351	
Sample 29:	6352	
Sample 30:	6353	
Sample 31:	6354	
Sample 32:	6355	
Sample 33:	6368	
Sample 34:	6369	
Sample 35:	6364	
Sample 36:	6375	
Sample 37:	6374	
Sample 38:	6362	
Sample 39:	6365	
Sample 40:	6366	
Sample 41:	6361	
Sample 42:	6363	
Sample 43:	6356	
Sample 44:	6357	
Sample 45:	6358	
Sample 46:	6360	
Sample 47:	6344	
Sample 48:	6343	
Sample 49:	6345	
Sample 50:	6346	
Sample 51:	6347	
Sample 52:	6342	
Sample 53:	6340	
Sample 54:	6341	
Sample 55:	6377	
Sample 56:	6359	



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Test Method	Result	Requirements
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NOTE:

In this revised 01 report, Toxic Element Analysis test results sample 57&58&59&60&61&62&63&64&65&66&67&68&69&70&71&72&73&74&75&76&77&78&79 were removed and Toxic Element Analysis test results Sample 1&2&3&4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24&25&26&27&28&29&30&31&32&33&34&35&36&37&38&39&40&41&42&43&44&45&46&47&48&49&50&51&52&53&54&55&56 were added by the request of the applicant..



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Test Method	Result						Requirements
TEST	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	
SAFETY OF TOYS&PART 1 MECHANICAL AND PHYSICAL PROPERTIES	P	P	P	P	P	P	
SAFETY OF TOYS&PART 2:FLAMMABILITY	P	P	P	P	P	P	
TOXIC ELEMENTS ANALYSIS	P	P	P	P	P	P	
TEST	Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12	
SAFETY OF TOYS&PART 1 MECHANICAL AND PHYSICAL PROPERTIES	P	P	P	P	P	P	
SAFETY OF TOYS&PART 2:FLAMMABILITY	P	P	P	P	P	P	
TOXIC ELEMENTS ANALYSIS	P	P	P	P	P	P	
TEST	Sample 13	Sample 14	Sample 15	Sample 16	Sample 17	Sample 18	
SAFETY OF TOYS&PART 1 MECHANICAL AND PHYSICAL PROPERTIES	P	P	P	P	P	P	
SAFETY OF TOYS&PART 2:FLAMMABILITY	P	P	P	P	P	P	
TOXIC ELEMENTS ANALYSIS	P	P	P	P	P	P	
TEST	Sample 19	Sample 20	Sample 21	Sample 22	Sample 23	Sample 24	
SAFETY OF TOYS&PART 1 MECHANICAL AND PHYSICAL PROPERTIES	P	P	P	P	P	P	
SAFETY OF TOYS&PART 2:FLAMMABILITY	P	P	P	P	P	P	
TOXIC ELEMENTS ANALYSIS	P	P	P	P	P	P	
TEST	Sample 25	Sample 26	Sample 27	Sample 28	Sample 29	Sample 30	
SAFETY OF TOYS&PART 1 MECHANICAL AND PHYSICAL PROPERTIES	P	P	P	P	P	P	
SAFETY OF TOYS&PART 2:FLAMMABILITY	P	P	P	P	P	P	
TOXIC ELEMENTS ANALYSIS	P	P	P	P	P	P	
TEST	Sample 31	Sample 32	Sample 33	Sample 34	Sample 35	Sample 36	
SAFETY OF TOYS&PART 1 MECHANICAL AND PHYSICAL PROPERTIES	P	P	P	P	P	P	
SAFETY OF TOYS&PART 2:FLAMMABILITY	P	P	P	P	P	P	
TOXIC ELEMENTS ANALYSIS	P	P	P	P	P	P	



Test Method	Result						Requirements
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TEST	Sample 37	Sample 38	Sample 39	Sample 40	Sample 41	Sample 42
SAFETY OF TOYS&PART 1 MECHANICAL AND PHYSICAL PROPERTIES	P	P	P	P	P	P
SAFETY OF TOYS&PART 2:FLAMMABILITY	P	P	P	P	P	P
TOXIC ELEMENTS ANALYSIS	P	P	P	P	P	P

TEST	Sample 43	Sample 44	Sample 45	Sample 46	Sample 47	Sample 48
SAFETY OF TOYS&PART 1 MECHANICAL AND PHYSICAL PROPERTIES	P	P	P	P	P	P
SAFETY OF TOYS&PART 2:FLAMMABILITY	P	P	P	P	P	P
TOXIC ELEMENTS ANALYSIS	P	P	P	P	P	P

TEST	Sample 49	Sample 50	Sample 51	Sample 52	Sample 53	Sample 54
SAFETY OF TOYS&PART 1 MECHANICAL AND PHYSICAL PROPERTIES	P	P	P	P	P	P
SAFETY OF TOYS&PART 2:FLAMMABILITY	P	P	P	P	P	P
TOXIC ELEMENTS ANALYSIS	P	P	P	P	P	P

TEST	Sample 55	Sample 56
SAFETY OF TOYS&PART 1 MECHANICAL AND PHYSICAL PROPERTIES	P	P
SAFETY OF TOYS&PART 2:FLAMMABILITY	P	P
TOXIC ELEMENTS ANALYSIS	P	P

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

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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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 “WARNING ! Children under 8 years can choke or suffocate on uninflated or broken balloons.”
 The item was tested for children aged over 36 months.
 The item was packaging in a plastic bag which was considered to be disposable.

Sample

1&2&3&4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24&25&26&27&28&29&30&31&32&33&34&35&36&37&38&39&40&41&42&43&44&45&46&47&48&49&50&51&52&53&54&55&56

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
4.12	Balloons	Pass
6	Packaging	
a)	Average sheet thickness	Pass
b)	Using drawstring or cords as a means of closing	Pass
7	Warning and Instruction for Use	##
7.2	Toys not intended for children under 36 months	Pass
7.3	Latex Baloons	Pass



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 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)**

9 A CE mark in the correct shape. **(Present)**

- Warning and other information should be in the national language(s) of the countries where the toy is marketed.

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



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Test Method	Result	Requirements
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Specification: BS EN 71 - 2 : 2011+ A1:2014 Safety of Toys – Flammability**Sample**

1&2&3&4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24&25&26&27&28&29&30&31&32&33&34&35&36&37&38&39&40&41&42&43&44&45&46&47&48&49&50&51&52&53&54&55&56

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

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Test Method	Result	Requirements
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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

Sample

1&2&3&4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24&25&26&27&28&29&30&31&32&33&34&35&36&37&38&39&40&41&42&43&44&45&46&47&48&49&50&51&52&53&54&55&56

1-Dark purple

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	5.1 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	4.6 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	131.1 ppm	<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



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Test Method	Result	Requirements
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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

2-Turquoise

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	5.8 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	5.2 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	135.6 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



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Test Method	Result	Requirements
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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

3-Orange

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	4.7 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	4.3 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	129.7 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



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Test Method	Result	Requirements
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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

4-Yellow

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	4.2 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	4.3 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	4.0 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	144.4 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



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Test Method	Result	Requirements
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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

5-Dark pink

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	4.1 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	4.7 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	3.8 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	140.7 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



Intertek Test Hizmetleri A.S.

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Test Method	Result	Requirements
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Toxic Elements Analysis

BS EN 71-3:2013+A1:2014

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

6-Red

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	3.9 ppm	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	3.8 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	4.5 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	147.6 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



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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)

7-Lilac

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	2.7 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	2.2 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	284.6 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



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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)

8-Blue

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	2.9 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	2.8 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	283.7 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



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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)

9-Baby pink

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	3.3 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	1.8 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	280.7 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



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Toxic Elements Analysis

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

10-Green

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	9.5 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	6.0 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	106.6 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



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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)

11-White

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	9.3 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	6.3 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	103.2 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



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Toxic Elements Analysis

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

12-Light green

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	9.9 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	5.8 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	100.7 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



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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)

13-Dark green

	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	<0.1 ppm	PASS	560
Arsenic (As)	Not Detected	<0.1 ppm	PASS	47
Barium (Ba)	Not Detected	<1 ppm	PASS	18750
Cadmium (Cd)	Not Detected	<0.1 ppm	PASS	17
Chromium (III)	Not Detected	<0.1 ppm	PASS	460
Chromium (VI)	Not Detected	0.1 ppm	PASS	0.2
Lead (Pb)	Not Detected	<0.1 ppm	PASS	160
Mercury (Hg)	Not Detected	<0.01 ppm	PASS	94
Selenium (Se)	Not Detected	<0.1 ppm	PASS	460
Aluminium (Al)	6.5 ppm	<1 ppm	PASS	70000
Boron (B)	Not Detected	<1 ppm	PASS	15000
Cobalt (Co)	Not Detected	<1 ppm	PASS	130
Copper (Cu)	Not Detected	<1 ppm	PASS	7700
Manganese (Mn)	Not Detected	<1 ppm	PASS	15000
Nickel (Ni)	Not Detected	<1 ppm	PASS	930
Strontium (Sr)	5.7 ppm	<0.1 ppm	PASS	56000
Tin (Sn)	Not Detected	<1.2 ppm	PASS	180000
Organic tin	Not Detected	<0.1 ppm	PASS	12
Zinc (Zn)	185.6 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







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Test Method	Result	Requirements
		
		







Test Method	Result	Requirements
		
		

Test Method	Result	Requirements
		
		











Test Method	Result	Requirements
		
		







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Test Method	Result	Requirements
		
		



Test Method	Result	Requirements
		
		



Test Method	Result	Requirements
		
		

END OF TEST REPORT

