

## TEST REPORT

**REPORT NUMBER :** TURT180166012\_REVISED02  
**APPLICANT NAME** **Bilgi Dağ. Kitap Kırt. ve Büro Malz. Tic. Ltd. Şti.**  
Merkez Mah. 29 Ekim Cad.No:53 Bahçelievler İstanbul TURKEY  
Tel: 0212 551 00 92 Fax: 0212 551 09 57  
**ADDRESS** **Attention : Ahmet Yüksel (ayuksel@bilgi-dagitim.com)**

**SAMPLE DESCRIPTION :**  
**Sample 1:** One sample of 12 color jumbo marker pen set  
**Sample 2:** One sample of 12 color marker pen set

**BUYER :** TÜKID  
**DATE IN :** 04 September, 2018 (09:59)  
**RESUBMIT DATE :** 10 September, 2018  
**DATE OUT :** 18 September, 2018 / 09 July, 2019  
**PRODUCT CODE :** BP906-12 / BP907  
**ARTICLE NO :** -  
**COUNTRY OF ORIGIN :** EGYPT

**NOTE :** Due to claim of applicant about the product market and according to the legal authority judgment in Turkey, the item was considered and tested aged over 3 years.

**PHOTO OF PRODUCT TESTED :**



**NOTE :** In this revised 01 report, sample images were corrected.  
This report replaced the report no TURT180166012 dated on 18 September, 2018 and must be used instead of it.  
Report no TURT180166012 dated on 18 September, 2018 is invalid.  
In this revised 02 report, new product code was added by the request of the applicant.



Uğur Yılmaz  
Customer Care Executive



Zeynep Akın  
Chemical Laboratory Manager

**Intertek Test Hizmetleri A.S.**  
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180166012\_REVISED02

## TEST REPORT

This report replaced the report no TURT180166012\_REVISED01 dated on 18 September, 2018 and must be used instead of it.  
Report no TURT180166012\_REVISED01 dated on 18 September, 2018 is invalid.

Sample No	Tested Sample
1	12 color pencil set

Part No	Tested Sample
1	White plastic cover
2	Black plastic part
3	Orange plastic body with silver print
4	Blue plastic body
5	Black plastic body
6	Green plastic body
7	Light green plastic body
8	Navy plastic body
9	Purple plastic body
10	Red plastic body
11	Pink plastic body
12	Fuchsia plastic body
13	Brown plastic body
14	Yellow plastic body
15	Transparent plastic box
16	Multicolor carton
17	Multicolor paper
18	White tip felt
19	Transparent plastic bag
20	Brown dye
21	Navy dye
22	Light green dye
23	Fuchsia dye
24	Black dye
25	Red dye
26	Purple dye
27	Blue dye
28	Pink dye
29	Green dye
30	Yellow dye
31	Orange dye
32	White plastic end part
33	Silver print



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Code	Test Method	Result	Requirements
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**RESULTS :**

Analysis Parameter	Reference Analysis Method	PASS	FAIL	Norm Limit	Standard for Norm Limit	Tested Sample
Mechanical and Physical Properties Part 1	BS EN 71 – 1 : 2014	P	-	See Results	2009/48/EC	Sample 1
Flammability - Safety of Toys Part 2	BS EN 71-2:2011+A1:2014	P	-	See Results	2009/48/EC	Sample 1-2
Migration of Certain Elements	EN 71-3:2013+A1:2014	P	-	See Toxic Element Analysis	2009/48/EC	Part 1-32
Phthalate	EN 14372 by GC-MS	P	-	DBP/DEHP/BBP : 1000 ppm DINP/DNOP/ DIDP: 1000 ppm	2005/84/EC	Part 1-19
PAH	INTERTEK IHTM AL.2.032 : 2012 based on AfPS GS 2014:01	P	-	See PAH Test	2005/69/EC	Part 1-13
Determination of Phosphorus Flame Retardants	INTERTEK IHTM AL.2.405 refer to ISO 17881-2:2016	P	-	5 ppm for each	2009/48/EC	Part 1-24,26

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

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Code	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! Choking hazard. Not suitable for under 3 years due to small parts.”

The item was tested for children aged over 36 months.(according to decision of ministry)

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

**Sample 1**

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Point & Metallic Wires	Pass
7	Warning and Instruction for Use	##
7.2	Toys not intended for children under 36 months	Pass

Code	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\*\* **(Not Present)**
- The name and address of the importer.\*\* **(Present)**
- type, batch, serial or model number or other element allowing of toy identification **(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.

Code	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! Choking hazard. Not suitable for under 3 years due to small parts.”

The item was tested for children aged over 36 months.(according to decision of ministry)

The item was packaging in a plastic bag which was considered to be disposable.

**Sample 2**

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Point & Metallic Wires	Pass
6	Packaging	
	a) Average sheet thickness	Pass
7	Warning and Instruction for Use	##
7.2	<b>Toys not intended for children under 36 months</b> The graphical symbol was found to be incorrect (incorrectly shaped face) as the item bore a suitable text warning this clause is considered to pass however we recommend that the graphical symbol is either corrected or removed from the packaging	Pass  See Comment

Code	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\*\* **(Not Present)**
- The name and address of the importer.\*\* **(Present)**
- type, batch, serial or model number or other element allowing of toy identification **(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.

Code	Test Method	Result	Requirements
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*This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.*

**Specification: BS EN 71 – 2 : 2011+ A1:2014 Safety of Toys – Flammability**

**Sample: 1&2**

SECTION	TEST	RESULTS
4.1	General	
	Celluloid (cellulose nitrate) and materials with a same burning behaviour in fire	Pass
	Flammable gases, extremely flammable liquids highly flammable liquids, flammable liquids, flammable gels. Not applicable, because; highly flammable liquids and flammable liquids being entirely retained within a porous material in capillary channels of writing instruments are excluded from the standard.	NA



Code	Test Method	Result	Requirements
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## Migration of Certain Elements

BS EN 71-3:2013+A1:2014

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma-ICP\_MS.

	Part 1	Part 2	Part 3	Part 4	Part 5	Part 6	Part 7
Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND
Arsenic (As)	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)	ND	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Chromium (III)**	ND	ND	ND	ND	ND	ND	ND
Chromium (VI)**	ND	ND	ND	ND	ND	ND	ND
Lead (Pb)	ND	ND	ND	ND	ND	ND	1.5 ppm
Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	ND	ND	ND	ND	ND	ND	ND
Aluminium (Al)	ND	ND	ND	ND	ND	ND	ND
Boron (B)	ND	ND	ND	ND	ND	ND	ND
Cobalt (Co)	ND	ND	ND	ND	ND	ND	ND
Copper (Cu)	ND	ND	ND	ND	ND	ND	ND
Manganese (Mn)	ND	ND	ND	ND	ND	ND	ND
Nickel (Ni)	ND	ND	ND	ND	ND	ND	ND
Strontium (Sr)	ND	ND	ND	ND	ND	ND	ND
Tin (Sn)	ND	ND	ND	ND	ND	ND	ND
Organic tin**	ND	ND	ND	ND	ND	ND	ND
Zinc (Zn)	ND	ND	ND	ND	ND	ND	ND

	Detection Limit	Requirements (mg/kg)
Antimony (Sb)	0.125 ppm	560
Arsenic (As)	0.125 ppm	47
Barium (Ba)	0.125 ppm	18750
Cadmium (Cd)	0.125 ppm	17
Chromium (III)	0.125 ppm	460
Chromium (VI)	0.125 ppm	0.2
Lead (Pb)	0.125 ppm	160
Mercury (Hg)	0.0125 ppm	94
Selenium (Se)	0.125 ppm	460
Aluminium (Al)	0.125 ppm	70000
Boron (B)	0.125 ppm	15000
Cobalt (Co)	0.125 ppm	130
Copper (Cu)	0.125 ppm	7700
Manganese (Mn)	0.125 ppm	15000
Nickel (Ni)	0.125 ppm	930
Strontium (Sr)	0.125 ppm	56000
Tin (Sn)	1.25 ppm	180000
Organic tin	0.125 ppm	12
Zinc (Zn)	0.125 ppm	46000

\*\*= Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

# = Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n- Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation. Other Organic tin compounds may be also be present in sample as stated in EN71-3:2013+A1:2014.

Estimated Total Uncertainty= ±13%

ppm (Part per million)

<

ND

=mg / kg

=Less Than

=Not Detected

**Intertek Test Hizmetleri A.S.**

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Code	Test Method	Result	Requirements
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**Migration of Certain Elements**

BS EN 71-3:2013+A1:2014

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma-ICP\_MS.

	Part 8	Part 9	Part 10	Part 11	Part 12	Part 13	Part 14
Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND
Arsenic (As)	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)	ND	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Chromium (III)**	ND	ND	ND	ND	ND	ND	ND
Chromium (VI)**	ND	ND	ND	ND	ND	ND	ND
Lead (Pb)	1.1 ppm	1.2 ppm	ND	ND	ND	ND	ND
Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	ND	ND	ND	ND	ND	ND	ND
Aluminium (Al)	ND	ND	ND	ND	ND	ND	ND
Boron (B)	ND	ND	ND	ND	ND	ND	ND
Cobalt (Co)	ND	ND	ND	ND	ND	ND	ND
Copper (Cu)	ND	ND	ND	ND	ND	ND	ND
Manganese (Mn)	ND	ND	ND	ND	ND	ND	ND
Nickel (Ni)	ND	ND	ND	ND	ND	ND	ND
Strontium (Sr)	ND	ND	ND	ND	ND	ND	ND
Tin (Sn)	ND	ND	ND	ND	ND	ND	ND
Organic tin**	ND	ND	ND	ND	ND	ND	ND
Zinc (Zn)	ND	ND	ND	ND	ND	ND	ND

	Detection Limit	Requirements (mg/kg)
Antimony (Sb)	0.125 ppm	560
Arsenic (As)	0.125 ppm	47
Barium (Ba)	0.125 ppm	18750
Cadmium (Cd)	0.125 ppm	17
Chromium (III)	0.125 ppm	460
Chromium (VI)	0.125 ppm	0,2
Lead (Pb)	0.125 ppm	160
Mercury (Hg)	0.0125 ppm	94
Selenium (Se)	0.125 ppm	460
Aluminium (Al)	0.125 ppm	70000
Boron (B)	0.125 ppm	15000
Cobalt (Co)	0.125 ppm	130
Copper (Cu)	0.125 ppm	7700
Manganese (Mn)	0.125 ppm	15000
Nickel (Ni)	0.125 ppm	930
Strontium (Sr)	0.125 ppm	56000
Tin (Sn)	1.25 ppm	180000
Organic tin	0.125 ppm	12
Zinc (Zn)	0.125 ppm	46000

\*\*= Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

# = Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n- Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation. Other Organic tin compounds may be also be present in sample as stated in EN71-3:2013+A1:2014.

Estimated Total Uncertainty= ±13%

ppm (Part per million)

<

ND

=mg / kg

=Less Than

=Not Detected

Code	Test Method	Result	Requirements
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### Migration of Certain Elements

BS EN 71-3:2013+A1:2014

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma-ICP\_MS.

	Part 15	Part 16	Part 17	Part 18	Part 19	Part 32
Antimony (Sb)	ND	ND	ND	ND	ND	ND
Arsenic (As)	ND	ND	ND	ND	ND	ND
Barium (Ba)	ND	14.4 ppm	2.3 ppm	4.9 ppm	3.4 ppm	2.8 ppm
Cadmium (Cd)	ND	ND	ND	ND	0.6 ppm	ND
Chromium (III)**	ND	0.5 ppm #	ND	ND	ND	ND
Chromium (VI)**	ND	ND	ND	ND	ND	ND
Lead (Pb)	ND	1.8 ppm	ND	ND	ND	ND
Mercury (Hg)	ND	ND	ND	ND	ND	ND
Selenium (Se)	ND	ND	ND	ND	ND	ND
Aluminium (Al)	ND	541.9 ppm	36.9 ppm	23.6 ppm	ND	5.1 ppm
Boron (B)	ND	4.3 ppm	2.8 ppm	5.7 ppm	ND	3.1 ppm
Cobalt (Co)	ND	ND	ND	ND	ND	ND
Copper (Cu)	ND	3.4 ppm	ND	ND	ND	ND
Manganese (Mn)	ND	15.4 ppm	3.4 ppm	ND	ND	ND
Nickel (Ni)	ND	ND	ND	ND	ND	ND
Strontium (Sr)	ND	41.6 ppm	25.2 ppm	0.2 ppm	ND	ND
Tin (Sn)	ND	ND	ND	ND	ND	ND
Organic tin**	ND	ND	ND	ND	ND	ND
Zinc (Zn)	ND	16.9 ppm	0.9 ppm	1.8 ppm	ND	ND

	Detection Limit	Requirements (mg/kg)
Antimony (Sb)	0.125 ppm	560
Arsenic (As)	0.125 ppm	47
Barium (Ba)	0.125 ppm	18750
Cadmium (Cd)	0.125 ppm	17
Chromium (III)	0.125 ppm	460
Chromium (VI)	0.125 ppm	0,2
Lead (Pb)	0.125 ppm	160
Mercury (Hg)	0.0125 ppm	94
Selenium (Se)	0.125 ppm	460
Aluminium (Al)	0.125 ppm	70000
Boron (B)	0.125 ppm	15000
Cobalt (Co)	0.125 ppm	130
Copper (Cu)	0.125 ppm	7700
Manganese (Mn)	0.125 ppm	15000
Nickel (Ni)	0.125 ppm	930
Strontium (Sr)	0.125 ppm	56000
Tin (Sn)	1.25 ppm	180000
Organic tin	0.125 ppm	12
Zinc (Zn)	0.125 ppm	46000

\*\*= Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

# = Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation. Other Organic tin compounds may be also be present in sample as stated in EN71-3:2013+A1:2014.

Estimated Total Uncertainty= ±13%

ppm (Part per million)

<

ND

=mg / kg

=Less Than

=Not Detected

Code	Test Method	Result	Requirements
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## Migration of Certain Elements

BS EN 71-3:2013+A1:2014

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma-ICP\_MS.

	Part 20	Part 21	Part 22	Part 23	Part 24	Part 25	Part 26
Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND
Arsenic (As)	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)	2 ppm	2.8 ppm	3.8ppm	2.8 ppm	2 ppm	3.1 ppm	2.2 ppm
Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND
Chromium (III)**	ND	ND	ND	ND	ND	ND	ND
Chromium (VI)**	ND	ND	ND	ND	ND	ND	ND
Lead (Pb)	ND	ND	ND	0.4 ppm	ND	ND	ND
Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	ND	ND	ND	ND	ND	ND	ND
Aluminium (Al)	5.4 ppm	5.7 ppm	13.4 ppm	10.6 ppm	5.8 ppm	10.5 ppm	5.2 ppm
Boron (B)	4.3 ppm	6.6 ppm	9.8 ppm	5.4 ppm	4 ppm	7.9 ppm	3.8 ppm
Cobalt (Co)	ND	ND	ND	ND	ND	ND	ND
Copper (Cu)	ND	ND	ND	ND	ND	ND	46 ppm
Manganese (Mn)	0.3 ppm	ND	ND	ND	0.3 ppm	ND	0.9 ppm
Nickel (Ni)	ND	ND	ND	ND	ND	ND	ND
Strontium (Sr)	ND	0.3 ppm	ND	ND	0.2 ppm	ND	ND
Tin (Sn)	ND	ND	ND	ND	ND	ND	ND
Organic tin**	ND	ND	ND	ND	ND	ND	ND
Zinc (Zn)	ND	ND	ND	ND	ND	ND	8.5 ppm

	Detection Limit	Requirements (mg/kg)
Antimony (Sb)	0,125 ppm	11.3
Arsenic (As)	0,125 ppm	0.9
Barium (Ba)	0,125 ppm	375
Cadmium (Cd)	0,125 ppm	0.3
Chromium (III)	0,125 ppm	9.4
Chromium (VI)	0,005 ppm	0.005
Lead (Pb)	0,125 ppm	3.4
Mercury (Hg)	0,0125 ppm	1.9
Selenium (Se)	0,125 ppm	9.4
Aluminium (Al)	0,125 ppm	1406
Boron (B)	0,125 ppm	300
Cobalt (Co)	0,125 ppm	2.6
Copper (Cu)	0,125 ppm	156
Manganese (Mn)	0,125 ppm	300
Nickel (Ni)	0,125 ppm	18.8
Strontium (Sr)	0,125 ppm	1125
Tin (Sn)	1,25 ppm	3750
Organic tin	0,125 ppm	0.2
Zinc (Zn)	0,125 ppm	938

\*\*= Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

# = Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n- Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation. Other Organic tin compounds may be also be present in sample as stated in EN71-3:2013+A1:2014.

Estimated Total Uncertainty= ±13%

ppm (Part per million)

<

ND

=mg / kg

=Less Than

=Not Detected

Code	Test Method	Result	Requirements
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## Migration of Certain Elements

BS EN 71-3:2013+A1:2014

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma-ICP\_MS.

	Part 27	Part 28	Part 29	Part 30	Part 31
Antimony (Sb)	ND	ND	ND	ND	ND
Arsenic (As)	ND	ND	ND	ND	ND
Barium (Ba)	2.8 ppm	2.3 ppm	3.2 ppm	2.4 ppm	1.8 ppm
Cadmium (Cd)	ND	ND	ND	ND	ND
Chromium (III)**	ND	ND	ND	ND	ND
Chromium (VI)**	ND	ND	ND	ND	ND
Lead (Pb)	ND	ND	ND	ND	ND
Mercury (Hg)	ND	ND	ND	ND	ND
Selenium (Se)	ND	ND	ND	ND	ND
Aluminium (Al)	9.5 ppm	6.6 ppm	10 ppm	7.1 ppm	2 ppm
Boron (B)	6 ppm	2.8 ppm	7.9 ppm	7.6 ppm	2.5 ppm
Cobalt (Co)	ND	ND	ND	ND	ND
Copper (Cu)	ND	ND	ND	ND	ND
Manganese (Mn)	10.3 ppm	ND	ND	ND	ND
Nickel (Ni)	ND	ND	ND	ND	ND
Strontium (Sr)	ND	ND	ND	ND	ND
Tin (Sn)	ND	ND	ND	ND	ND
Organic tin**	ND	ND	ND	ND	ND
Zinc (Zn)	1.5 ppm	ND	ND	ND	ND

	Detection Limit	Requirements (mg/kg)
Antimony (Sb)	0,125 ppm	11.3
Arsenic (As)	0,125 ppm	0.9
Barium (Ba)	0,125 ppm	375
Cadmium (Cd)	0,125 ppm	0.3
Chromium (III)	0,125 ppm	9.4
Chromium (VI)	0,005 ppm	0.005
Lead (Pb)	0,125 ppm	3.4
Mercury (Hg)	0,0125 ppm	1.9
Selenium (Se)	0,125 ppm	9.4
Aluminium (Al)	0,125 ppm	1406
Boron (B)	0,125 ppm	300
Cobalt (Co)	0,125 ppm	2.6
Copper (Cu)	0,125 ppm	156
Manganese (Mn)	0,125 ppm	300
Nickel (Ni)	0,125 ppm	18.8
Strontium (Sr)	0,125 ppm	1125
Tin (Sn)	1,25 ppm	3750
Organic tin	0,125 ppm	0.2
Zinc (Zn)	0,125 ppm	938

\*\*= Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

# = Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n- Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation. Other Organic tin compounds may be also be present in sample as stated in EN71-3:2013+A1:2014.

Estimated Total Uncertainty= ±13%

ppm (Part per million)

<  
ND

=mg / kg

=Less Than

=Not Detected

**Intertek Test Hizmetleri A.S.**

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Code	Test Method	Result	Requirements
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## TOTAL PHTHALATE CONTENT

EN 14372 : 2004 Method By Gas Chromatographic-Mass Spectrometric (GC-MS) Analysis :

	<u>Part 1&amp;2&amp;3</u>	<u>Part 4&amp;5&amp;6&amp;7 &amp;8</u>	<u>Part 9&amp;10&amp;11&amp; &amp;13</u>	<u>Part 14&amp;15&amp;18 &amp;19</u>	<u>Part 13&amp;14&amp;15 &amp;18&amp;19</u>	<u>Part 16</u>	<u>Part 17</u>
DIBUTYL PHTHALATE (DBP)	ND	ND	ND	ND	ND	ND	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND	ND	ND	ND	ND	ND	ND
BENZYL BUTYL PHTHALATE (BBP)	ND	ND	ND	ND	ND	ND	ND
SUM OF THREE PHTHALATES	ND	ND	ND	ND	ND	ND	ND
DI-ISO-NONYL PHTHALATE (DINP)	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND	ND	ND	ND	ND	ND	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND	ND	ND	ND	ND	ND	ND
SUM OF THREE PHTHALATES	ND	ND	ND	ND	ND	ND	ND

ND =Not Detected (Tespit Edilmedi)  
 ppm (part per million) =mg / kg  
 Detection Limit =DIDP, DINP: 100 ppm, Other Phthalates: 10 ppm  
 < =Less Than  
 \* =EXCEEDED LIMIT  
 LIMIT (MAX.) =DBP,DEHP,BBP < 1000 ppm\*\* ; DINP, DNOP, DIDP < 1000 ppm\*\*  
 \*\*REMARK =The Above Limit Was Quoted According To The EEC Directive 2005/84/EC On 14 December 2005.

(Total Uncertainty=±5 %)

Code	Test Method	Result	Requirements
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**Polycyclic Aromatic Hydrocarbons (PAHs) Analysis**

INTERTEK IHTM AL.2.032 : 2012 based on AfPS GS 2014:01

		RESULT		REQUIREMENT
		Part 1&2	Part 3&4	
1	Benzo (a) pyrene	ND	ND	<0.5 ppm
2	Benzo (e) pyrene	ND	ND	<0.5 ppm
3	Benzo (a) anthracene	ND	ND	<0.5 ppm
4	Benzo (b) fluoranthene	ND	ND	<0.5 ppm
5	Benzo (j) fluoranthene	ND	ND	<0.5 ppm
6	Benzo (k) fluoranthene	ND	ND	<0.5 ppm
7	Chrysene	ND	ND	<0.5 ppm
8	Dibenzo (a,h) anthracene	ND	ND	<0.5 ppm
	ppm (part per million) =mg / kg			
	Detection Limit = 0.1 ppm			
	ND = Not Detected (Tespit Edilmedi)			

		RESULT			REQUIREMENT
		Part 5&6&7	Part 8&9&10	Part11&12&13	
1	Benzo (a) pyrene	ND	ND	ND	<0.5 ppm
2	Benzo (e) pyrene	ND	ND	ND	<0.5 ppm
3	Benzo (a) anthracene	ND	ND	ND	<0.5 ppm
4	Benzo (b) fluoranthene	ND	ND	ND	<0.5 ppm
5	Benzo (j) fluoranthene	ND	ND	ND	<0.5 ppm
6	Benzo (k) fluoranthene	ND	ND	ND	<0.5 ppm
7	Chrysene	ND	ND	ND	<0.5 ppm
8	Dibenzo (a,h) anthracene	ND	ND	ND	<0.5 ppm
	ppm (part per million) =mg / kg				
	Detection Limit = 0.1 ppm				
	ND = Not Detected (Tespit Edilmedi)				

**Estimated Total Uncertainty= ±3%**

Code	Test Method	Result	Requirements
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**Polycyclic Aromatic Hydrocarbons (PAHs) Analysis**

INTERTEK IHTM AL.2.032 : 2012 based on AfPS GS 2014:01

		RESULT		REQUIREMENT
		Part 14&15	Part 16	
1	Benzo (a) pyrene	ND	ND	<0.5 ppm
2	Benzo (e) pyrene	ND	ND	<0.5 ppm
3	Benzo (a) anthracene	ND	ND	<0.5 ppm
4	Benzo (b) fluoranthene	ND	ND	<0.5 ppm
5	Benzo (j) fluoranthene	ND	ND	<0.5 ppm
6	Benzo (k) fluoranthene	ND	ND	<0.5 ppm
7	Chrysene	ND	ND	<0.5 ppm
8	Dibenzo (a,h) anthracene	ND	ND	<0.5 ppm
	ppm (part per million) =mg / kg			
	Detection Limit = 0.1 ppm			
	ND = Not Detected (Tespit Edilmedi)			

		RESULT		REQUIREMENT
		Part 17	Part 18&19	
1	Benzo (a) pyrene	ND	ND	<0.5 ppm
2	Benzo (e) pyrene	ND	ND	<0.5 ppm
3	Benzo (a) anthracene	ND	ND	<0.5 ppm
4	Benzo (b) fluoranthene	ND	ND	<0.5 ppm
5	Benzo (j) fluoranthene	ND	ND	<0.5 ppm
6	Benzo (k) fluoranthene	ND	ND	<0.5 ppm
7	Chrysene	ND	ND	<0.5 ppm
8	Dibenzo (a,h) anthracene	ND	ND	<0.5 ppm
	ppm (part per million) =mg / kg			
	Detection Limit = 0.1 ppm			
	ND = Not Detected (Tespit Edilmedi)			

Estimated Total Uncertainty= ±3%

## END OF TEST REPORT ##