

TEST REPORT

REPORT NUMBER : TURA170085624_REVISED01

APPLICANT NAME Sabırlı Yayın Kırt.Eğt.Arç.San. ve Dış Tic.Ltd.Şti.

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ADDRESS Attention : Şener Sabırlı (sener@sabirligroup.com)

SAMPLE DESCRIPTION :

Sample 1: 24' Colours Oil Pastels

Sample 2: 12' Colours Oil Pastels

BUYER : TÜKID

DATE IN : 03 May, 2017 (16:07)

RESUBMIT DATE: 05 May,2017

DATE OUT : 17 May, 2017 / 09 June, 2017

COUNTRY OF ORIGIN : CHINA

NOTE :

In this revised 01 report, Toxic Element Analysis test was re-performed on the new sample for part 15 received on 07 June, 2017 and the previous test result was removed by the request of the applicant typing mistake on Pass/Fail chart was corrected.

This report replaces the report no TURT170085624 dated on 17 May, 2017 and must be used instead of it.

Report no TURT170085624 dated 17 May, 2017 is invalid.

PHOTO OF PRODUCT TESTED :



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Customer Care Executive

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170085624_REVISED01

Code	Test Method	Result	Requirements
Part No	Tested Sample		
1	Red dye (sample 1&2)		
2	Orange dye (sample 1&2)		
3	Light orange dye (sample 1)		
4	Lilac dye (sample 1)		
5	Beige dye (sample 1&2)		
6	Yellow dye (sample 1&2)		
7	Blue dye (sample 1&2)		
8	Light blue dye (sample 1&2)		
9	Light green dye (sample 1&2)		
10	Green dye (sample 1&2)		
11	Teal dye (sample 1)		
12	Navy dye (sample 1)		
13	Neon orange dye (sample 1)		
14	Neon pink dye (sample 1)		
15	Dark khaki dye (sample 1)		
16	Silver dye (sample 1)		
17	Neon yellow dye (sample 1)		
18	Neon green dye (sample 1)		
19	Black dye (sample 1&2)		
20	Light brown dye (sample 1&2)		
21	Purple dye (sample 1)		
22	Brown dye (sample 1&2)		
23	Light grey dye (sample 1)		
24	White dye (sample 1)		
25	Multicolour dye sticker (sample 1&2)		
26	Multicolour sticker (sample 1&2)		
27	Transparent plastic box (sample 1)		
28	Transparent separator		
29	Transparent plastic box (sample 2)		

Code	Test Method	Result		Requirements
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RESULTS :

Analysis Parameter	Reference Analysis Method	PASS	FAIL	Norm Limit	Standard for Norm Limit	Tested Part
Azo Dyes	EN 14362-1 : 2012	P	-	30 ppm	1907-2006-EC	Part 1-24
Primary Aromatic Amines	EN 71- 9&10&11	P	-	30 ppm	2009/48/EC	Part 1-24
Phthalate	EN 14372 by GC MS	P	-	DBP/DEHP/BBP : 1000 ppm DINP/DNOP/ DIDP : 1000 ppm, DIBP/DMEP/DP P : 1000 ppm for each	EEC Directive 2005/84/EC on 14 December 2005	Part 1-29
Determination of Cadmium Content	BS EN 1122:2001 (Method B)	P	-	100 ppm (0.01%)	91/338/EEC	Part 27-29
Toxic Element Analysis	EN 71-3:2013+A1:2014	P	-	See Toxic Element Analysis	2009/48/EC	Part 1-29
Flame Retardants Test	INTERTEK IHTM AL.2.405 refer to ISO 17881-2:2016	P	-	Not Detected	-	Part 1-29
Migration of Bisphenol A in Toys	EN71 Part 10 and 11 : 2005	P	-	See Results	-	Part 1-29
Flammability – Safety Of Toys Part 2	BS EN 71-2:2011+A1:2014	P	-	See Results	2009/48/EC	Sample 1,2
Mechanical And Physical Properties	BS EN 71 – 1 : 2014	P	-	See Results	2009/48/EC	Sample 1,2

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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Detection Of Amines Derived From Azocolourants and Azodyes

By Gas Chromatographic – Mass Spectrometric (GC-MS) And High Performance Liquid Chromatographic (HPLC) Analysis.
Test Method : EN 14362-1 : 2012 for Textile Material

Part: 1&2&3&4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24

- | | |
|--|---------|
| 1) Red dye (without extraction) | <30 ppm |
| 2) Composite sample of Lilac,Beige,yellow dye (without extraction) | |
| 3) Composite sample of Blue,light blue,light green dye (without extraction) | |
| 4) Composite sample of Green,teal,navy dye (without extraction) | |
| 5) Composite sample of Neon orange,neon pink,dark khaki dye (without extraction) | |
| 6) Composite sample of Silver,neon yellow,neon orange dye (without extraction) | |
| 7) Composite sample of Black,light brown,purple dye (without extraction) | |
| 8) Composite sample of Brown,light grey,white dye (without extraction) | |
| 9) Composite sample of Orange,light orange dye (without extraction) | |

INTERPRETATION OF AZO-DYES TEST RESULTS:

<u>FORBIDDEN AMINE</u>	<u>CAS NO</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>
4-AMINOBIHENYL	92-67-1	N	N	N	N	N	N	N	N	N
BENZIDINE	92-87-5	N	N	N	N	N	N	N	N	N
CHLORO-O-4-CHLOR-O-TOLUIDINE	95-69-2	N	N	N	N	N	N	N	N	N
2-NAPHTHYLAMINE	91-59-8	N	N	N	N	N	N	N	N	N
*O-AMINOAZOTOLUENE	97-56-3	N	N	N	N	N	N	N	N	N
*2-AMINO-4-NITROTOLUENE	99-55-8	N	N	N	N	N	N	N	N	N
P-CHLOROANILINE	106-47-8	N	N	N	N	N	N	N	N	N
2,4-DIAMINOANISOLE	615-05-4	N	N	N	N	N	N	N	N	N
4,4'-DIAMINOBIHENYLMETHANE	101-77-9	N	N	N	N	N	N	N	N	N
3,3'-DICHLOBENZIDINE	91-94-1	N	N	N	N	N	N	N	N	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N	N	N	N	N	N	N	N	N
3,3'-DIMETHYLBENZIDINE	119-93-7	N	N	N	N	N	N	N	N	N
3,3'-DIMETHYL-4,4' DIAMINOBIHENYLMETHANE	838-88-0	N	N	N	N	N	N	N	N	N
P-CRESIDINE	120-71-8	N	N	N	N	N	N	N	N	N
4,4'-METHYLENE-BIS-(2 CHLOROANILINE)	101-14-4	N	N	N	N	N	N	N	N	N
4,4'-OXYDIANILINE	101-80-4	N	N	N	N	N	N	N	N	N
4,4'-THIODIANILINE	139-65-1	N	N	N	N	N	N	N	N	N
O-TOLUIDINE	95-53-4	N	N	N	N	N	N	N	N	N
2,4-TOLUENEDIAMINE	95-80-7	22 ppm	N	N	N	N	N	N	N	N
2,4,5-TRIMETHYLANILINE	137-17-7	N	N	N	N	N	N	N	N	N
O-ANISIDINE	90-04-0	N	N	N	N	N	N	N	N	N
**P-AMINOAZOBENZENE	60-09-3	N	N	N	N	N	N	N	N	N
2,4 XYLIDINE	95-68-1	N	N	N	N	N	N	N	N	N
2,6 XYLIDINE	87-62-7	N	N	N	N	N	N	N	N	N

Note:

- The amines o-amino-azotoluene and 2-amino-4-nitrotoluene are detected by its splitted product o-toluidine and 2,4- toluenediamine.
- Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4- phenyldiamine . The presence of these colorants can not be reliably ascertained without additional information, e.g. chemical structure of the colorant used.
- According to EN 14362-1:2012, separate test is suggested to ascertain the compliance for result of mixed test in the range between 5 ppm and 30 ppm.
- Azocolourants Content Requirement In Annex XVII Item 43 Of The REACH Regulation (EC) NO. 1907/2006 & Amendment No. 552/2009 and 126/2013 (Formerly Known As Directive 2002/61/EC
- According to the official method EN 14362-1:2012, if 4-Aminodiphenyl or 2-Naphthylamine or 2,4-Diaminoanisole is found exceeding requirement, the use of forbidden Azo colourants cannot be ascertained without additional information e.g. The chemical structure of the colourant used.

Ppm : part per million (mg/kg)

Detection Limit: 5 ppm

- < = Less Than
 Total Uncertainty = 9%
 N = Not detected

Code	Test Method	Result	Requirements
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Primary Aromatic Amines

EN 71 Part 9&10&11

Part: 1&2&3&4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24

- | Code | Test Method | Result | Requirements |
|------|--|--------|--------------|
| 1) | Composite sample of Red,orange,light orange dye | | <30 ppm |
| 2) | Composite sample of Lilac,Beige,yellow dye | | |
| 3) | Composite sample of Blue,light blue,light green dye | | |
| 4) | Composite sample of Green,teal,navy dye | | |
| 5) | Composite sample of Neon orange,neon pink,dark khaki dye | | |
| 6) | Composite sample of Silver,neon yellow,neon orange dye | | |
| 7) | Composite sample of Black,light brown,purple dye | | |
| 8) | Composite sample of Brown,light grey,white dye | | |

<u>FORBIDDEN AMINE</u>	<u>CAS NO</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
Benzidine	92-87-5	N	N	N	N	N	N	N	N
2-naphthylamine	91-59-8	N	N	N	N	N	N	N	N
4-chloroaniline	106-47-8	N	N	N	N	N	N	N	N
3,3'-dichlorobenzidine	91-94-1	N	N	N	N	N	N	N	N
3,3'-dimethoxybenzidine	119-90-4	N	N	N	N	N	N	N	N
3,3'-dimethylbenzidine	119-93-7	N	N	N	N	N	N	N	N
O-toluidine	95-53-4	N	N	N	N	N	N	N	N
2-methoxyaniline (o-anisidine)	90-04-0	N	N	N	N	N	N	N	N
Aniline	62-53-3	N	N	N	N	N	N	N	N

<
N
ppm(part per million)
Detection Limit

=Less Than
=Not Detected
=mg/ kg
=5 ppm

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</u>	<u>Part 2</u>	<u>Part 3</u>	<u>Part 4</u>	<u>Part 5</u>	<u>Part 6</u>	<u>Part 7</u>	<u>Part 8</u>
DIBUTYL PHTHALATE (DBP)	ND	ND	ND	ND	ND	ND	ND	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND	ND	ND	ND	ND	ND	ND	ND
BENZYL BUTYL PHTHALATE (BBP)	ND	ND	ND	ND	ND	ND	ND	ND
SUM OF THREE PHTHALATES	ND	ND	ND	ND	ND	ND	ND	ND
DI-ISO-NONYL PHTHALATE (DINP)	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND	ND	ND	ND	ND	ND	ND	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND	ND	ND	ND	ND	ND	ND	ND
SUM OF THREE PHTHALATES	ND	ND	ND	ND	ND	ND	ND	ND

	<u>Part 9</u>	<u>Part 10</u>	<u>Part 11</u>	<u>Part 12</u>	<u>Part 13</u>	<u>Part 14</u>	<u>Part 15</u>	<u>Part 16</u>
DIBUTYL PHTHALATE (DBP)	ND	ND	ND	ND	ND	ND	ND	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND	ND	ND	ND	ND	ND	ND	ND
BENZYL BUTYL PHTHALATE (BBP)	ND	ND	ND	ND	ND	ND	ND	ND
SUM OF THREE PHTHALATES	ND	ND	ND	ND	ND	ND	ND	ND
DI-ISO-NONYL PHTHALATE (DINP)	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND	ND	ND	ND	ND	ND	ND	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND	ND	ND	ND	ND	ND	ND	ND
SUM OF THREE PHTHALATES	ND	ND	ND	ND	ND	ND	ND	ND

	<u>Part 17</u>	<u>Part 18</u>	<u>Part 19</u>	<u>Part 20</u>	<u>Part 21</u>	<u>Part 22</u>	<u>Part 23</u>	<u>Part 24</u>
DIBUTYL PHTHALATE (DBP)	ND	ND	ND	ND	ND	ND	ND	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND	ND	ND	ND	ND	ND	ND	ND
BENZYL BUTYL PHTHALATE (BBP)	ND	ND	ND	ND	ND	ND	ND	ND
SUM OF THREE PHTHALATES	ND	ND	ND	ND	ND	ND	ND	ND
DI-ISO-NONYL PHTHALATE (DINP)	ND	ND	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND	ND	ND	ND	ND	ND	ND	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND	ND	ND	ND	ND	ND	ND	ND
SUM OF THREE PHTHALATES	ND	ND	ND	ND	ND	ND	ND	ND

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

(Total Uncertainty=±5 %)

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 25</u>	<u>Part 26</u>	<u>Part 27</u>	<u>Part 28</u>	<u>Part 29</u>
DIBUTYL PHTHALATE (DBP)	ND	ND	ND	ND	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND	ND	ND	ND	ND
BENZYL BUTYL PHTHALATE (BBP)	ND	ND	ND	ND	ND
SUM OF THREE PHTHALATES	ND	ND	ND	ND	ND
DI-ISO-NONYL PHTHALATE (DINP)	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND	ND	ND	ND	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND	ND	ND	ND	ND
SUM OF THREE PHTHALATES	ND	ND	ND	ND	ND

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

(Total Uncertainty=±5 %)

Code	Test Method	Result	Requirements
Determination of Cadmium Content			
BS EN 1122:2001 (Method B) and IHTM AL.2.004 : 2001 using microwave or acid digestion			
Part 27		<5 ppm	100 ppm (0.01%)
Part 28		<5 ppm	100 ppm (0.01%)
Part 29		<5 ppm	100 ppm (0.01%)

ppm (part per million) =mg / kg
Detection Limit =5 ppm
< =Less Than
% =Percentage based on dry weight of sample

REMARK : As per Cadmium Content Requirement in Annex XVII item 23 of the REACH Regulation (EC) No: 1907/2006 (Formerly Known as Directive 91/338/EEC), Acid Digestion Method was used Total Cadmium Content was determined by ICP-OES
Estimated Total Uncertainty = ±4%

Code	Test Method	Result	Requirements
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Toxic Elements Analysis

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	Part 8
Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)	16.0 ppm	5.2 ppm	3.9 ppm	ND	1.5 ppm	6.4 ppm	1.5 ppm	1.6 ppm
Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (III)	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (VI)	ND	ND	ND	ND	ND	ND	ND	ND
Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	ND
Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	ND
Aluminium (Al)	12.8 ppm	8.6 ppm	11.0 ppm	10.0 ppm	9.6 ppm	15.1 ppm	40.6 ppm	15.2 ppm
Boron (B)	4.5 ppm	4.9 ppm	5.2 ppm	6.5 ppm	4.8 ppm	6.9 ppm	8.2 ppm	4.9 ppm
Cobalt (Co)	ND	ND	ND	ND	ND	ND	ND	ND
Copper (Cu)	ND	ND	ND	ND	ND	ND	ND	ND
Manganese (Mn)	ND	ND	ND	ND	ND	ND	ND	1.3 ppm
Nickel (Ni)	ND	ND	ND	ND	ND	ND	ND	ND
Strontium (Sr)	5.2 ppm	2.4 ppm	3.0 ppm	2.0 ppm	5.2 ppm	6.6 ppm	2.2 ppm	6.0 ppm
Tin (Sn)	ND	ND	ND	ND	ND	ND	ND	ND
Organic tin	ND	ND	ND	ND	ND	ND	ND	ND
Zinc (Zn)	ND	ND	ND	12.8 ppm	ND	11.6 ppm	7.2 ppm	73.0 ppm

	Detection Limit	Requirements (mg/kg)
Antimony (Sb)	0.125 ppm	45
Arsenic (As)	0.125 ppm	3,8
Barium (Ba)	0.125 ppm	1500
Cadmium (Cd)	0.125 ppm	1,3
Chromium (III)	0.125 ppm	37,5
Chromium (VI)	0.125 ppm	0,02
Lead (Pb)	0.125 ppm	13,5
Mercury (Hg)	0.0125 ppm	7,5
Selenium (Se)	0.125 ppm	37,5
Aluminium (Al)	0.125 ppm	5625
Boron (B)	0.125 ppm	1200
Cobalt (Co)	0.125 ppm	10,5
Copper (Cu)	0.125 ppm	622,5
Manganese (Mn)	0.125 ppm	1200
Nickel (Ni)	0.125 ppm	75
Strontium (Sr)	0.125 ppm	4500
Tin (Sn)	1.25 ppm	15000
Organic tin	0.125 ppm	0,9
Zinc (Zn)	0.125 ppm	3750

Note: Dewax procedure was applied.

(Total uncertainty=Results quoted have been corrected for uncertainty)

ppm (Part per million)

<

ND

=mg / kg

=Less Than

=Not Detected

Code	Test Method	Result	Requirements
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Toxic Elements Analysis

EN 71-3:2013+A1:2014

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

	Part 9	Part 10	Part 11	Part 12	Part 13	Part 14	Part 15	Part 16
Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)	ND	10.1 ppm	ND	ND	ND	ND	2 ppm	4.0 ppm
Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (III)	ND	ND	ND	ND	ND	ND	ND	1.0 ppm
Chromium (VI)	ND	ND	ND	ND	ND	ND	ND	ND
Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	ND
Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	ND
Aluminium (Al)	9.8 ppm	22.6 ppm	15.1 ppm	12.3 ppm	14.1 ppm	14.1 ppm	12 ppm	1362 ppm
Boron (B)	4.4 ppm	6.8 ppm	5.7 ppm	6.8 ppm	5.3 ppm	7.2 ppm	7.6 ppm	7.4 ppm
Cobalt (Co)	ND	ND	ND	ND	ND	ND	ND	ND
Copper (Cu)	ND	ND	ND	ND	ND	ND	ND	ND
Manganese (Mn)	ND	1.3 ppm	ND	ND	ND	ND	ND	1.5 ppm
Nickel (Ni)	ND	ND	ND	ND	ND	ND	ND	ND
Strontium (Sr)	4.6 ppm	6.7 ppm	4.3 ppm	3.3 ppm	4.4 ppm	5.0 ppm	1.9 ppm	15.2 ppm
Tin (Sn)	ND	ND	ND	ND	ND	ND	ND	ND
Organic tin	ND	ND	ND	ND	ND	ND	ND	ND
Zinc (Zn)	ND	24.8 ppm	1.8 ppm	ND	11.2 ppm	ND	ND	6.2 ppm

	Detection Limit	Requirements (mg/kg)
Antimony (Sb)	0.125 ppm	45
Arsenic (As)	0.125 ppm	3,8
Barium (Ba)	0.125 ppm	1500
Cadmium (Cd)	0.125 ppm	1,3
Chromium (III)	0.125 ppm	37,5
Chromium (VI)	0.125 ppm	0,02
Lead (Pb)	0.125 ppm	13,5
Mercury (Hg)	0.0125 ppm	7,5
Selenium (Se)	0.125 ppm	37,5
Aluminium (Al)	0.125 ppm	5625
Boron (B)	0.125 ppm	1200
Cobalt (Co)	0.125 ppm	10,5
Copper (Cu)	0.125 ppm	622,5
Manganese (Mn)	0.125 ppm	1200
Nickel (Ni)	0.125 ppm	75
Strontium (Sr)	0.125 ppm	4500
Tin (Sn)	1.25 ppm	15000
Organic tin	0.125 ppm	0,9
Zinc (Zn)	0.125 ppm	3750

Note: Dewax procedure was applied.

(Total uncertainty=Results quoted have been corrected for uncertainty)

ppm (Part per million)

<

ND

=mg / kg

=Less Than

=Not Detected

Code	Test Method	Result	Requirements
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Toxic Elements Analysis

EN 71-3:2013+A1:2014

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

	<u>Part 17</u>	<u>Part 18</u>	<u>Part 19</u>	<u>Part 20</u>	<u>Part 21</u>	<u>Part 22</u>	<u>Part 23</u>	<u>Part 24</u>
Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)	ND	ND	ND	2.8 ppm	111.0 ppm	ND	1.6 ppm	ND
Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (III)	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (VI)	ND	ND	ND	ND	ND	ND	ND	ND
Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	ND
Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	ND
Aluminium (Al)	25.7 ppm	14.1 ppm	11.9 ppm	13.6 ppm	150.6 ppm	12.1 ppm	13.4 ppm	9.3 ppm
Boron (B)	5.9 ppm	5.3 ppm	5.3 ppm	8.6 ppm	4.7 ppm	5.8 ppm	4.9 ppm	5.5 ppm
Cobalt (Co)	ND	ND	ND	ND	ND	ND	ND	ND
Copper (Cu)	ND	ND	ND	ND	ND	1.5 ppm	ND	ND
Manganese (Mn)	ND	ND	ND	ND	ND	ND	ND	ND
Nickel (Ni)	ND	ND	ND	ND	ND	ND	ND	ND
Strontium (Sr)	6.3 ppm	4.4 ppm	4.5 ppm	2.6 ppm	5.4 ppm	5.6 ppm	7.5 ppm	3.9 ppm
Tin (Sn)	ND	ND	ND	ND	ND	ND	ND	ND
Organic tin	ND	ND	ND	ND	ND	ND	ND	ND
Zinc (Zn)	8.9 ppm	11.2 ppm	4.8 ppm	8.8 ppm	ND	3.5 ppm	4.0 ppm	2.9 ppm

	Detection Limit	Requirements (mg/kg)
Antimony (Sb)	0.125 ppm	45
Arsenic (As)	0.125 ppm	3,8
Barium (Ba)	0.125 ppm	1500
Cadmium (Cd)	0.125 ppm	1,3
Chromium (III)	0.125 ppm	37,5
Chromium (VI)	0.125 ppm	0,02
Lead (Pb)	0.125 ppm	13,5
Mercury (Hg)	0.125 ppm	7,5
Selenium (Se)	0.0125 ppm	37,5
Aluminium (Al)	0.125 ppm	5625
Boron (B)	0.125 ppm	1200
Cobalt (Co)	0.125 ppm	10,5
Copper (Cu)	0.125 ppm	622,5
Manganese (Mn)	0.125 ppm	1200
Nickel (Ni)	0.125 ppm	75
Strontium (Sr)	0.125 ppm	4500
Tin (Sn)	0.125 ppm	15000
Organic tin	1.25 ppm	0,9
Zinc (Zn)	0.125 ppm	3750

Note: Dewax procedure was applied.

(Total uncertainty=Results quoted have been corrected for uncertainty)

ppm (Part per million)

<

ND

=mg / kg

=Less Than

=Not Detected

Code	Test Method	Result	Requirements
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Toxic Elements Analysis

EN 71-3:2013+A1:2014

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

	<u>Part 25</u>	<u>Part 26</u>	<u>Part 27</u>	<u>Part 28</u>	<u>Part 29</u>
Antimony (Sb)	ND	ND	ND	ND	ND
Arsenic (As)	ND	ND	ND	ND	ND
Barium (Ba)	2.5 ppm	4.0 ppm	ND	ND	ND
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)	ND	16.1 ppm	ND	ND	ND
Boron (B)	ND	ND	ND	ND	ND
Cobalt (Co)	ND	ND	ND	ND	ND
Copper (Cu)	ND	ND	ND	ND	ND
Manganese (Mn)	7.6 ppm	5.4 ppm	ND	ND	ND
Nickel (Ni)	ND	ND	ND	ND	ND
Strontium (Sr)	25.8 ppm	30.3 ppm	ND	ND	ND
Tin (Sn)	ND	ND	ND	ND	ND
Organic tin	ND	ND	ND	ND	ND
Zinc (Zn)	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)	0.125 ppm	94
Selenium (Se)	0.0125 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)	0.125 ppm	180000
Organic tin	1.25 ppm	12
Zinc (Zn)	0.125 ppm	46000

(Total uncertainty=Results quoted have been corrected for uncertainty)

ppm (Part per million)

<

ND

=mg / kg

=Less Than

=Not Detected

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Code	Test Method	Result	Requirements
(*)Flame Retardants Test			
INTERTEK IHTM AL.2.405 refer to ISO 17881-2:2016			
By Liquid Chromotography- Mass Spectrometry (LC-MS-MS) Analysis			
Flame Retardants			
		CAS No	Part 1 Part 2 Part 3 Part 4 Part 5
Tris(2-chloroethyl) phosphate	TCEP	115-96-8	ND ND ND ND ND
Tris(2-chloro-1-methylethyl) phosphate	TCPP	13674-84-5	ND ND ND ND ND
Tris 2-chloro-1-(chloromethyl)ethyl phosphate	TDCP	13674-87-8	ND ND ND ND ND
Flame Retardants			
		CAS No	Part 6 Part 7 Part 8 Part 9 Part 10
Tris(2-chloroethyl) phosphate	TCEP	115-96-8	ND ND ND ND ND
Tris(2-chloro-1-methylethyl) phosphate	TCPP	13674-84-5	ND ND ND ND ND
Tris 2-chloro-1-(chloromethyl)ethyl phosphate	TDCP	13674-87-8	ND ND ND ND ND
Flame Retardants			
		CAS No	Part 11 Part 12 Part 13 Part 14 Part 15
Tris(2-chloroethyl) phosphate	TCEP	115-96-8	ND ND ND ND ND
Tris(2-chloro-1-methylethyl) phosphate	TCPP	13674-84-5	ND ND ND ND ND
Tris 2-chloro-1-(chloromethyl)ethyl phosphate	TDCP	13674-87-8	ND ND ND ND ND
Flame Retardants			
		CAS No	Part 16 Part 17 Part 18 Part 19 Part 20
Tris(2-chloroethyl) phosphate	TCEP	115-96-8	ND ND ND ND ND
Tris(2-chloro-1-methylethyl) phosphate	TCPP	13674-84-5	ND ND ND ND ND
Tris 2-chloro-1-(chloromethyl)ethyl phosphate	TDCP	13674-87-8	ND ND ND ND ND

ppm (part per million) = mg/kg
 Detection Limit = 1 ppm
 ND = Not Detected (Tespit Edilmedi)
 Requirement = 5 ppm
 (Estimated Total Uncertainty = Plastic: ±14%, Textile: ±12%)

Code	Test Method	Result	Requirements
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(*)Flame Retardants Test

INTERTEK IHTM AL.2.405 refer to ISO 17881-2:2016

By Liquid Chromotography- Mass Spectrometry (LC-MS-MS) Analysis

Flame Retardants		CAS No	Part 21	Part 22	Part 23	Part 24	Part 25
Tris(2-chloroethyl) phosphate	TCEP	115-96-8	ND	ND	ND	ND	ND
Tris(2-chloro-1-methylethyl) phosphate	TCPP	13674-84-5	ND	ND	ND	ND	ND
Tris 2-chloro-1-(chloromethyl)ethyl phosphate	TDCP	13674-87-8	ND	ND	ND	ND	ND

Flame Retardants		CAS No	Part 26	Part 27	Part 28	Part 29
Tris(2-chloroethyl) phosphate	TCEP	115-96-8	ND	ND	ND	ND
Tris(2-chloro-1-methylethyl) phosphate	TCPP	13674-84-5	ND	ND	ND	ND
Tris 2-chloro-1-(chloromethyl)ethyl phosphate	TDCP	13674-87-8	ND	ND	ND	ND

ppm (part per million) = mg/kg
 Detection Limit = 1 ppm
 ND = Not Detected (Tespit Edilmedi)
 Requirement = 5 ppm
 (Estimated Total Uncertainty = Plastic: ±14%,Textile:±12%)

Code	Test Method	Result	Requirements
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Migration of Bisphenol A in Toys

EN71 Part 10 and 11 : 2005

	<u>RESULT</u>	
Sample 1	ND	0,1 mg/L
Sample 2	ND	0,1 mg/L
Sample 3	ND	0,1 mg/L
Sample 4	ND	0,1 mg/L
Sample 5	ND	0,1 mg/L
Sample 6	ND	0,1 mg/L
Sample 7	ND	0,1 mg/L
Sample 8	ND	0,1 mg/L
Sample 9	ND	0,1 mg/L
Sample 10	ND	0,1 mg/L
Sample 11	ND	0,1 mg/L
Sample 12	ND	0,1 mg/L
Sample 13	ND	0,1 mg/L
Sample 14	ND	0,1 mg/L
Sample 15	ND	0,1 mg/L
Sample 16	ND	0,1 mg/L
Sample 17	ND	0,1 mg/L
Sample 18	ND	0,1 mg/L
Sample 19	ND	0,1 mg/L
Sample 20	ND	0,1 mg/L
Sample 21	ND	0,1 mg/L
Sample 22	ND	0,1 mg/L
Sample 23	ND	0,1 mg/L
Sample 24	ND	0,1 mg/L
Sample 25	ND	0,1 mg/L
Sample 26	ND	0,1 mg/L
Sample 27	ND	0,1 mg/L
Sample 28	ND	0,1 mg/L
Sample 29	ND	0,1 mg/L

ppm (parts per million) = mg/kg

ND = Not Detected

Detection Limit = 0.1 mg/L

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

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

Sample 2

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

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; Contains small parts. Choking hazard.

The item was tested for children aged over 10 months.

The item was packaging in a plastic box (covered with shrink film) which was considered to be for retention.

Sample 1

Section	Test	Result
4	General Requirements	
4.1	Material	PASS
4.7	Edges	PASS
4.8	Point & 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
e)	Glued wooden toys and toys with glued on plastic decals	See 5.1.b
5.10	Small Balls	PASS
7	Warning and Instruction for Use	##

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 and importer.** **(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 **(Not 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 importer name is not clearly pointed out as importer It's recommended to be identified with the title of '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; With graphical symbol.

The item was tested for children aged over 10 months.

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

Sample 2

Section	Test	Result
4	General Requirements	
4.1	Material	PASS
4.7	Edges	PASS
4.8	Point & 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	##

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 and importer.** **(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 **(Not Present)**
- A CE mark in the correct shape and size. **(Present) (Incorrect size)**

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

END OF TEST REPORT