

## TEST REPORT

**REPORT NUMBER :** TURT180068818  
**APPLICANT NAME** **Zet Zeka Geliştirme Teknolojileri Eğitim. Öğrenim San. Hizm. San.ve Tic.A.Ş**  
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**Attention : Rüstem Yadırğan (rustem.yadirga@zetzeka.com)**  
**BUYER** **TOYS**  
**SAMPLE DESCRIPTION :** One sample of Bay Bak  
**DATE IN :** **09 April, 2018 (16:46)**  
**DATE OUT :** **16 April, 2018**  
**COUNTRY OF ORIGIN :** TURKEY

TEST	Sample
SAFETY OF TOYS-PART 1 MECHANICAL AND PHYSICAL PROPERTIES	P (Except 7.2)
SAFETY OF TOYS-PART 2:FLAMMABILITY	P
MIGRATION OF CERTAIN ELEMENTS	P
PHTHALATE CONTENT	P
POLYCYCLIC AROMATIC HYDROCARBONS (PAH) ANALYSIS	NA
DETECTION OF AMINES DERIVED FROM AZOCOLLOURANTS AND AZODYES	NA
VOLATILE ORGANIC COMPOUNDS	NA

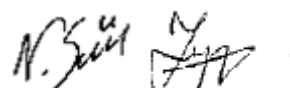
P = MEETS BUYER' S REQUIREMENT / F = DOES NOT MEET BUYER' S REQUIREMENT / NR = NO REQUIREMENT / SC=STILL CONTINUES / X=NOT PERFORMED / NA = NOT APPLICABLE/ LS : LACK OF SAMPLE

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180068818

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! Contains inconvenient parts for children under 3 age."

The item was tested for children aged over 36 months.

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

SECTION	TEST	RESULTS
4	<b>General Requirements</b>	
4.1	<b>Material</b>	Pass
4.7	<b>Edges</b>	Pass
4.8	<b>Points &amp; Metallic Wires</b>	Pass
7	<b>Warning and Instruction for Use</b>	##
7.2	<b>Toys not intended for children under 36 months</b> The item, its packaging or accompanying leaflet must be labelled with: The following warning, "Warning! Not suitable for children under 36 months' with a brief indication of the specific hazard (e.g Choking hazard).	See Comment

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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 importer.\*\* **(Not Present)**
- type, batch, serial or model number or other element allowing of toy identification **(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.

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

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

Test Method	Result	Requirements		
<b>Migration of Certain Elements</b>				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
<b>1- Multicolor small paper</b>				
	<u>RESULT (ppm)</u>	<u>DETECTION LIMIT</u>	<u>PASS/FAIL</u>	<u>REQUIREMENT (ppm)</u>
Antimony (Sb)	Not Detected	0,125 ppm	PASS	560
Arsenic (As)	Not Detected	0,125 ppm	PASS	47
Barium (Ba)	5.6	0,125 ppm	PASS	18750
Cadmium (Cd)	Not Detected	0,125 ppm	PASS	17
Chromium (III)	Not Detected	0,125 ppm	PASS	460
Chromium (VI)	Not Detected	0,125 ppm	PASS	0.2
Lead (Pb)	Not Detected	0,125 ppm	PASS	160
Mercury (Hg)	Not Detected	0,0125 ppm	PASS	94
Selenium (Se)	Not Detected	0,125 ppm	PASS	460
Aluminium (Al)	200.3	0,125 ppm	PASS	70000
Boron (B)	20.7	0,125 ppm	PASS	15000
Cobalt (Co)	Not Detected	0,125 ppm	PASS	130
Copper (Cu)	Not Detected	0,125 ppm	PASS	7700
Manganese (Mn)	16.5	0,125 ppm	PASS	15000
Nickel (Ni)	Not Detected	0,125 ppm	PASS	930
Strontium (Sr)	30.1	0,125 ppm	PASS	56000
Tin (Sn)	Not Detected	1,25 ppm	PASS	180000
Organic tin*	Not Detected	0,125 ppm	PASS	12
Zinc (Zn)	5.8	0,125 ppm	PASS	46000

\*The reported value was calculated by summation 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, Triphenyl tin, Dimethyl tin, Trimethyl tin, Tri-n-octyl tin and Tri-cyclohexyl tin.

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

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

Test Method	Result	Requirements		
<b>Migration of Certain Elements</b>				
BS EN 71-3:2013+A1:2014				
Acid extraction method determined by Inductively Coupled Plasma – Mass Spectrometer (ICP / MS)				
<b>2- Multicolor thick paper</b>				
	<b>RESULT (ppm)</b>	<b>DETECTION LIMIT</b>		
		<b>PASS/FAIL</b>		
		<b>REQUIREMENT (ppm)</b>		
Antimony (Sb)	Not Detected	0,125 ppm	PASS	560
Arsenic (As)	Not Detected	0,125 ppm	PASS	47
Barium (Ba)	Not Detected	0,125 ppm	PASS	18750
Cadmium (Cd)	Not Detected	0,125 ppm	PASS	17
Chromium (III)	Not Detected	0,125 ppm	PASS	460
Chromium (VI)	Not Detected	0,125 ppm	PASS	0.2
Lead (Pb)	Not Detected	0,125 ppm	PASS	160
Mercury (Hg)	Not Detected	0,0125 ppm	PASS	94
Selenium (Se)	Not Detected	0,125 ppm	PASS	460
Aluminium (Al)	38.0	0,125 ppm	PASS	70000
Boron (B)	Not Detected	0,125 ppm	PASS	15000
Cobalt (Co)	Not Detected	0,125 ppm	PASS	130
Copper (Cu)	Not Detected	0,125 ppm	PASS	7700
Manganese (Mn)	4.4	0,125 ppm	PASS	15000
Nickel (Ni)	Not Detected	0,125 ppm	PASS	930
Strontium (Sr)	39.7	0,125 ppm	PASS	56000
Tin (Sn)	Not Detected	1,25 ppm	PASS	180000
Organic tin*	Not Detected	0,125 ppm	PASS	12
Zinc (Zn)	Not Detected	0,125 ppm	PASS	46000

\*The reported value was calculated by summation 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, Triphenyl tin, Dimethyl tin, Trimethyl tin, Tri-n-octyl tin and Tri-cyclohexyl tin.

ppm (Part per million)

=mg / kg

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ND

=Not Detected

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

Test Method	Result	Requirements
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## PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004

1-Composite sample of Multicolor small carts	
	RESULT (%, w/w)
DIBUTYL PHTHALATE (DBP)	Not Detected
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected
BENZYL BUTYL PHTHALATE (BBP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
	RESULT (%, w/w)
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

ppm (part per million) =mg / kg  
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm  
 < =Less Than  
 \* =EXCEEDED LIMIT

(Estimated Total Uncertainty=± 5 %)

Test Method	Result	Requirements
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## PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004

2-Composite sample of Multicolor medium carts	
	RESULT (%. w/w)
DIBUTYL PHTHALATE (DBP)	Not Detected
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected
BENZYL BUTYL PHTHALATE (BBP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
	RESULT (%. w/w)
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

ppm (part per million) =mg / kg  
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm  
 < =Less Than  
 \* =EXCEEDED LIMIT

(Estimated Total Uncertainty=± 5 %)



Test Method	Result	Requirements
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## PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004

3-Composite sample of Multicolor big carts	
	RESULT (%. w/w)
DIBUTYL PHTHALATE (DBP)	Not Detected
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected
BENZYL BUTYL PHTHALATE (BBP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
	RESULT (%. w/w)
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

ppm (part per million) =mg / kg  
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm  
 < =Less Than  
 \* =EXCEEDED LIMIT

(Estimated Total Uncertainty=± 5 %)

Test Method	Result	Requirements
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## END OF TEST REPORT ##