

## TEST RAPORU

**REPORT NUMBER :**

**TURT190127426**

**APPLICANT NAME**

**Bilgi Dağ. Kitap Kırt. ve Büro Malz. Tic. Ltd. Şti.**

**ADDRESS**

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**Attention: Efe Yüksel (efe@bilgi-dagitim.com)**

**SAMPLE DESCRIPTION :**

One sample of Dark Blue,Dark Red and Green metallic carton

**BUYER :**

**METRO BTS**

**DATE IN :**

**12 July, 2019 (09:59)**

**DATE OUT :**

**22 July, 2019**

**MANUFACTURER :**

**BİLGİ DAĞ KİTAP KIRT. VE BÜRO MALZ. TİC. LTD ŞTİ.**

**ITEM CODE :**

**BP706-00**

**PHOTO OF PRODUCT  
TESTED SAMPLE :**



**RESULTS :**

See Attachment

**NOTE :**

Only dark blue, dark red and dark green metallic cartons were tested by the request of the applicant.

*Begüm Nazlı Traş*

Begüm Nazlı Traş  
Customer Care Executive

*Zeynep AKIN*

Zeynep AKIN  
Chemical Laboratory Manager

**Intertek Test Hizmetleri A.S.**

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**RESULTS :**

Analysis Parameter	Reference Analysis Method	PASS	FAIL	Norm Limit	Standard for Norm Limit	Tested Part
Migration Of Certain Elements	EN 71-3:2013+A3:2018	P	-	See Toxic Element Analysis	Toys Safety Directive	Part 1-3

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

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Part No	Tested Part
1	Dark blue metallic carton
2	Dark green metallic carton
3	Dark red metallic carton

Remark: Only suitable parts tested for the related tests.

## MIGRATION OF CERTAIN ELEMENTS

EN 71-3:2013+A3:2018

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

	Results (mg/kg)				Detection Limit (mg/kg)	Requirements (mg/kg) Category III
	Part 1	Part 2	Part 3			
Antimony (Sb)	ND	ND	ND		0,125	560
Arsenic (As)	ND	ND	ND		0,125	47
Barium (Ba)	1.6	1.3	1.4		0,125	18750
Cadmium (Cd)	ND	ND	ND		0,125	17
Chromium (III) **	ND	ND	ND		0,125	460
Chromium (VI) **	ND	ND	ND		0,125	0,2
Lead (Pb)	ND	ND	ND		0,125	23
Mercury (Hg)	ND	ND	ND		0,0125	94
Selenium (Se)	ND	ND	ND		0,125	460
Aluminium (Al)	89	82	85		0,125	70000
Boron (B)	ND	ND	ND		0,125	15000
Cobalt (Co)	ND	ND	ND		0,125	130
Copper (Cu)	ND	ND	ND		0,125	7700
Manganese (Mn)	7.4	7.1	7.7		0,125	15000
Nickel (Ni)	ND	ND	ND		0,125	930
Strontium (Sr)	24.9	22.3	24.1		0,125	56000
Tin (Sn)	ND	ND	ND		1,25	180000
Organic tin **	ND	ND	ND		0,125	12
Zinc (Zn)	ND	ND	ND		0,125	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 Organotins which are specified Table 3 and Annex J -Table J.1 after converted to Tributyl tin by calculation.

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

## END OF TEST REPORT ##