

**TEST REPORT**

**REPORT NUMBER :** TURA140106748  
**APPLICANT NAME** **Bilgi Dağıtım Kitap Kırt. Ve Büro Malz. Tic. Ltd.Şti.**  
Yenibosna Merkez Mah. 29 Ekim Cad. No:53 Bahçelievler - İstanbul  
FAX NO : 0212 551 00 92  
**ADDRESS** **Attention : Ahmet Yüksel (ayuksel@bilgi-dagitim.com)**  
**SAMPLE DESCRIPTION :** Big point 12 colours Triangle Jumbo pencil  
**BUYER :** TÜKID  
**DATE IN :** 08 July, 2014 (13:59)  
**DATE OUT :** 15 July, 2014  
**ARTICLE NO :** BP943-12

**PHOTO OF PRODUCT TESTED :**

Merve Şahin  
Coordinator

Neslihan Sözer  
Chemical Laboratory Manager

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140106748

Code	Test Method	Result	Requirements
<b>Part No</b>	<b>Tested Sample</b>		
1	BLACK COATING		
2	BROWN COATING		
3	RED COATING		
4	ORANGE COATING		
5	GREEN COATING		
6	LIGHT GREEN COATING		
7	YELLOW COATING		
8	BEIGE COATING		
9	BLUE COATING		
10	NAVY COATING		
11	PURPLE COATING		
12	PINK COATING		
13	BLACK LEAD		
14	BROWN LEAD		
15	RED LEAD		
16	ORANGE LEAD		
17	LIGHT GREEN LEAD		
18	YELLOW LEAD		
19	BEIGE LEAD		
20	BLUE LEAD		
21	NAVY LEAD		
22	PURPLE LEAD		
23	PINK LEAD		
24	GREEN LEAD		
25	BEIGE SLAT		
26	MULTICOLOR CARTON		

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
Azo Dyes	EN 14362-1 : 2012 for Textile Material	P	-	30 ppm	1907-2006-EC	Part 1-24,26
Toxic Element Analysis	BS EN 71-3:1995	P	-	Sb: 60 ppm As: 25 ppm Ba: 1000 ppm Cd: 75 ppm Cr: 60 ppm Pb: 90 ppm Hg: 60 ppm Se: 500 ppm	EN 71-3	Part 1-26
Phthalate	EN 14372 by GC MS	P	-	DBP/DEHP/BBP : 1000 ppm DINP/DNOP/ DIDP :1000 ppm	EEC Directive 2005/84/EC on 14 December 2005	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

"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 TÜRKAK 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 TÜRKAK accreditation. Tests marked (\*) in this test report are not included in the TÜRKAK accreditation schedule for this laboratory."



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&26**

1)Composite sample of Black,brown,red coating (without extraction)	<30 ppm
2)Composite sample of Orange,green,light green coating (without extraction)	<30 ppm
3)Composite sample of Yellow,beige,blue coating (without extraction)	<30 ppm
4)Composite sample of Navy,purple,pink coating (without extraction)	<30 ppm
5)Composite sample of Black,brown,red lead (without extraction)	<30 ppm
6)Composite sample of Orange,green,light green lead (without extraction)	<30 ppm
7)Composite sample of Yellow,beige,blue lead (without extraction)	<30 ppm
8)Composite sample of Navy,purple,pink lead (without extraction)	<30 ppm
9)Multicolor carton (without extraction)	<30 ppm

**INTERPRETATION OF AZO-DYES TEST RESULTS:**

<b>FORBIDDEN AMINE</b>	<b>CAS NO</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
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'-DICHLOROBIHENZIDINE	91-94-1	N	N	N	N	N	N	N	N	N
3,3'-DIMETHOXYBIHENZIDINE	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-TOLUYLENDIAMINE	95-80-7	N	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:**

- 1)The amines o-amino-azotoluene and 2-amino-4-nitrotoluene are detected by its splitted product o-toluidine and 2,4- toluylenediamine.
- 2)Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4- phenylenediamine . The presence of these colorants can not be reliably ascertained without additional information, e.g. chemical structure of the colorant used.
- 3)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.
- 4)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

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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### Toxic Elements Analysis

BS EN 71-3:1995

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

		<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>
Antimony	(Sb)	ND						
Arsenic	(As)	ND						
Barium	(Ba)	ND						
Cadmium	(Cd)	ND						
Chromium	(Cr)	ND						
Lead	(Pb)	ND						
Mercury	(Hg)	ND						
Selenium	(Se)	ND						

		<u>Part 8</u>	<u>Part 9</u>	<u>Part 10</u>	<u>Part 11</u>	<u>Part 12</u>	<u>Part 13</u>	<u>Part 14</u>
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	(Cr)	ND	ND	ND	ND	ND	ND	ND
Lead	(Pb)	ND	ND	ND	ND	ND	ND	ND
Mercury	(Hg)	ND	ND	ND	ND	ND	ND	ND
Selenium	(Se)	ND	ND	ND	ND	ND	ND	ND

		<u>Detection Limit</u>	<u>Requirement (ppm)</u>
Antimony	(Sb)	<2 ppm	<60
Arsenic	(As)	<2 ppm	<25
Barium	(Ba)	<2 ppm	<1000
Cadmium	(Cd)	<2 ppm	<75
Chromium	(Cr)	<5 ppm	<60
Lead	(Pb)	<5 ppm	<90
Mercury	(Hg)	<2 ppm	<60
Selenium	(Se)	<2 ppm	<500

(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

BS EN 71-3:1995

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

		<u>Part 15</u>	<u>Part 16</u>	<u>Part 17</u>	<u>Part 18</u>	<u>Part 19</u>	<u>Part 20</u>	<u>Part 21</u>
Antimony	(Sb)	ND						
Arsenic	(As)	ND						
Barium	(Ba)	ND						
Cadmium	(Cd)	ND						
Chromium	(Cr)	ND						
Lead	(Pb)	ND						
Mercury	(Hg)	ND						
Selenium	(Se)	ND						

		<u>Part 22</u>	<u>Part 23</u>	<u>Part 24</u>	<u>Part 25</u>	<u>Part 26</u>
Antimony	(Sb)	ND	ND	ND	ND	ND
Arsenic	(As)	ND	ND	ND	ND	ND
Barium	(Ba)	ND	ND	ND	ND	ND
Cadmium	(Cd)	ND	ND	ND	ND	ND
Chromium	(Cr)	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

		<u>Detection Limit</u>	<u>Requirement (ppm)</u>
Antimony	(Sb)	<2 ppm	<60
Arsenic	(As)	<2 ppm	<25
Barium	(Ba)	<2 ppm	<1000
Cadmium	(Cd)	<2 ppm	<75
Chromium	(Cr)	<5 ppm	<60
Lead	(Pb)	<5 ppm	<90
Mercury	(Hg)	<2 ppm	<60
Selenium	(Se)	<2 ppm	<500

(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
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### TOTAL PHTHALATE CONTENT

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

	Part 1	Part 2	Part 3	Part 4	Part 5	Part 6	Part 7
DIBUTYL PHTHALATE (DBP)	ND						
DIETHYL HEXYL PHTHALATE (DEHP)	ND						
BENZYL BUTYL PHTHALATE (BBP)	ND						
SUM OF THREE PHTHALATES	ND						
	ND						
DI-ISO-NONYL PHTHALATE (DINP)	ND						
DI-N-OCTYL PHTHALATE (DNOP)	ND						
DI-ISO-DECYL PHTHALATE (DIDP)	ND						
SUM OF THREE PHTHALATES	ND						

	Part 8	Part 9	Part 10	Part 11	Part 12	Part 13	Part 14
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
	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

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 15</u>	<u>Part 16</u>	<u>Part 17</u>	<u>Part 18</u>	<u>Part 19</u>	<u>Part 20</u>	<u>Part 21</u>
DIBUTYL PHTHALATE (DBP)	ND						
DIETHYL HEXYL PHTHALATE (DEHP)	ND						
BENZYL BUTYL PHTHALATE (BBP)	ND						
SUM OF THREE PHTHALATES	ND						
	ND						
DI-ISO-NONYL PHTHALATE (DINP)	ND						
DI-N-OCTYL PHTHALATE (DNOP)	ND						
DI-ISO-DECYL PHTHALATE (DIDP)	ND						
SUM OF THREE PHTHALATES	ND						

	<u>Part 22</u>	<u>Part 23</u>	<u>Part 24</u>	<u>Part 26</u>
DIBUTYL PHTHALATE (DBP)	ND	ND	ND	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND	ND	ND	ND
BENZYL BUTYL PHTHALATE (BBP)	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
DI-N-OCTYL PHTHALATE (DNOP)	ND	ND	ND	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND	ND	ND	ND
SUM OF THREE PHTHALATES	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 %)

## END OF TEST REPORT ##

