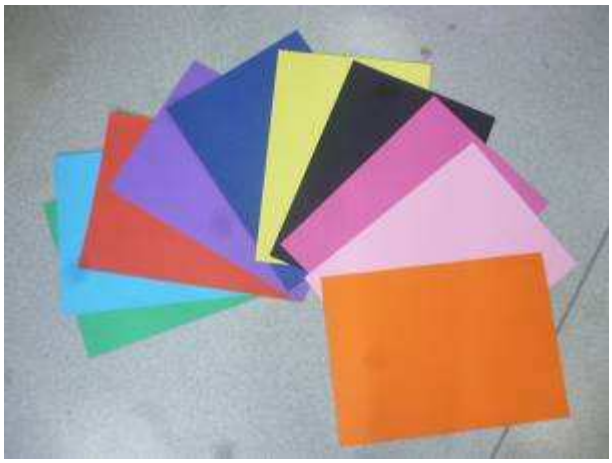
TEST REPORT

REPORT NUMBER :	**TURA130086564**
APPLICANT NAME	**Bilgi Dağıtım Kitap Kırt. Ve Büro Malz. Tic. Ltd.Şti.**
ADDRESS	Yenibosna Merkez Mah. 29 Ekim Cad. No:53 Bahçelievler - İstanbul FAX NO : 0212 551 00 92 **Attention : Ahmet Yüksel (ayuksel@bilgi-dagitim.com, efe@bilgi-dagitim.com)**
SAMPLE DESCRIPTION :	Bigpoint 10 colour phon carton
BUYER :	TÜKİD
DATE IN :	**06 June, 2013 (13:59)**
DATE OUT :	**17 June, 2013**
PRODUCT'S CODE :	BP700-96,BP700-97,BP700-98
PHOTO OF PRODUCT TESTED :	

Merve Şahin
Coordinator

Neslihan Sözer
Chemical Laboratory Manager

UKAS TESTING
2111

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Code	Test Method	Result	Requirements

Part No	Tested Part
1	FUCHSIA PHON CARTON
2	PINK PHON CARTON
3	ORANGE PHON CARTON
4	GREEN PHON CARTON
5	BLUE PHON CARTON
6	YELLOW PHON CARTON
7	PURPLE PHON CARTON
8	BLACK PHON CARTON
9	RED PHON CARTON
10	NAVY PHON CARTON

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Code	Test Method	Result	Requirements

RESULTS :

Analysis Parameter	Reference Analysis Method	PASS	FAIL	Norm Limit	Standard for Norm Limit	Tested Part
Azo Dyes	EN 14362-1 : 2012 for Textile Material	-	F	30 ppm	1907-2006-EC	Part 1-10
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 1-10
Phthalate	EN 14372 by GC MS	P	-	DBP/DEHP/BBP : 1000 ppm DINP/DNOP/ DIDP :1000 ppm	(27893) Notification On Market Supervision And Controls Regarding Hazardous Chemical Contents Of Some End-User Products	Part 1-10

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

FAILED PART

TESTED PART	DESCRIPTION	Analysis Parameter
Part 8	BLACK PHON CARTON	Azo Dyes
Part 9	RED PHON CARTON	Azo Dyes
Part 10	NAVY PHON CARTON	Azo Dyes

Code	Test Method	Result	Requirements

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

1)Composite sample of Fuchsia, Pink, Orange phon carton (without extraction)	<30 ppm
2)Composite sample of Green, Blue, Yellow phon carton (without extraction)	<30 ppm
3)Purple phon carton (without extraction)	<30 ppm
4)Black phon carton (without extraction)	<30 ppm
5)Red phon carton (without extraction)	<30 ppm
6)Navy phon carton (without extraction)	<30 ppm

INTERPRETATION OF AZO-DYES TEST RESULTS:

FORBIDDEN AMINE	CAS NO	1	2	3	4	5	6
4-AMINOBIPHENYL	92-67-1	N	N	N	N	10 ppm	N
BENZIDINE	92-87-5	N	N	26 ppm	54 ppm	860 ppm	11 ppm
CHLORO-O-4-CHLOR-O-TOLUIDINE	95-69-2	N	N	N	N	N	N
2-NAPHTHYLAMINE	91-59-8	N	N	N	N	N	N
*O-AMINOAZOTOLUENE	97-56-3	N	N	N	N	N	N
*2-AMINO-4-NITROTOLUENE	99-55-8	N	N	N	N	N	N
P-CHLOROANILINE	106-47-8	N	N	N	N	N	N
2,4-DIAMINOANISOLE	615-05-4	N	N	N	N	N	N
4,4'-DIAMINOBIPHENYLMETHANE	101-77-9	N	N	N	N	N	N
3,3'-DICHLOROBENZIDINE	91-94-1	N	N	N	N	N	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N	N	11 ppm	75 ppm	N	675 ppm
3,3'-DIMETHYLBENZIDINE	119-93-7	N	N	N	N	N	N
3,3'-DİMETHYL-4,4' DIAMINOBIPHENYLMETHANE	838-88-0	N	N	N	N	N	N
P-CRESIDINE	120-71-8	N	N	N	N	N	N
4,4'-METHYLENE-BIS-(2 CHLOROANILINE)	101-14-4	N	N	N	N	N	N
4,4'-OXYDIANILINE	101-80-4	N	N	N	N	N	N
4,4'-THIODIANILINE	139-65-1	N	N	N	N	N	N
O-TOLUIDINE	95-53-4	N	N	N	N	N	N
2,4-TOLUYLENDIAMINE	95-80-7	N	N	N	N	N	N
2,4,5-TRIMETHYLANILINE	137-17-7	N	N	N	N	N	N
O-ANISIDINE	90-04-0	N	N	N	N	N	N
**P-AMİNOAZOBENZENE	60-09-3	N	N	N	N	N	N
2,4 XYLIDINE	95-68-1	N	N	N	N	N	N
2,6 XYLIDINE	87-62-7	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- phenylendiamine . 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 = ± 10%
N:Not detected

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Code	Test Method	Result	Requirements

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.

		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)	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	(Cd)	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	(Cr)	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

		Part 9	Part 10
Antimony	(Sb)	ND	ND
Arsenic	(As)	ND	ND
Barium	(Ba)	ND	ND
Cadmium	(Cd)	ND	ND
Chromium	(Cr)	ND	ND
Lead	(Pb)	ND	ND
Mercury	(Hg)	ND	ND
Selenium	(Se)	ND	ND

		Detection Limit	Requirement (ppm)
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) =mg / kg

< =Less Than

ND =Not Detected

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Code	Test Method	Result	Requirements

TOTAL PHTHALATE CONTENT

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

	Part 1	Part 2	Part 3	Part 4	Part 5	Part 6	Part 7	Part 8
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

	Part 9	Part 10
DIBUTYL PHTHALATE (DBP)	ND	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND	ND
BENZYL BUTYL PHTHALATE (BBP)	ND	ND
SUM OF THREE PHTHALATES	ND	ND
DI-ISO-NONYL PHTHALATE (DINP)	ND	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND	ND
SUM OF THREE PHTHALATES	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