

TEST REPORT

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REPORT NUMBER: TURA140106739

APPLICANT NAME Bilgi Dağıtım Kitap Kırt. Ve Büro Malz. Tic. Ltd.Şti.

Yenibosna Merkez Mah. 29 Ekim Cad. No:53 Bahçelievler - İstanbul

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SAMPLE DESCRIPTION: Big point 12 colours Acrylic paint

BUYER: TÜKID

DATE IN: 08 July, 2014 (08:38)

DATE OUT: 16 July, 2014

ARTICLE NO: BPPA – 1212

PHOTO OF PRODUCT TESTED:



Merve Şahin Coordinator Neslihan Sözer Chemical Laboratory Manager

Intertek Test Hizmetleri A.S.

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Code Test Method Result Requirements

Sample No	Tested Sample
1	MULTICOLOR CARTON
2	WHITE PLASTIC CASE
3	LIGHT BLUE ACRYLIC PAINT
4	LIGHT YELLOW ACRYLIC PAINT
5	DARK YELLOW ACRYLIC PAINT
6	BLACK ACRYLIC PAINT
7	RED ACRYLIC PAINT
8	DARK BLUE ACRYLIC PAINT
9	WHITE ACRYLIC PAINT
10	ORANGE ACRYLIC PAINT
11	BROWN ACRYLIC PAINT
12	LIGHT GREEN ACRYLIC PAINT
13	DARK GREEN ACRYLIC PAINT
14	ULTRAMARINE ACRYLIC PAINT
15	WHITE PLASTIC COVER
16	MULTICOLOR SITCKER
17	WHITE METAL TUBE





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Code **Test Method** Result Requirements

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	Р	-	30 ppm	1907-2006-EC	Part 1, 3-14, 16
Toxic Element Analysis	BS EN 71-3:1995	Р	-	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 1-17
Phthalate	EN 14372 by GC MS	Р	-	DBP/DEHP/BBP: 1000 ppm DINP/DNOP/ DIDP: :1000 ppm	EEC Directive 2005/84/EC on 14 December 2005	Part 1-16

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 uncertainity is based on a standard uncertainity multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainity 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 uncertainity considered. When uncertainity 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."





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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&3&4&5&6&7&8&9&10&11&12&13&14&16

1)Composite sample of Light blue, light yellow, dark yellow paint (without extracti	on)
2)Composite sample of Black,red,ultramarine paint (without extraction)	

3)Composite sample of Dark blue, white, orange paint (without extraction)

4)Composite sample of Brown, light green, dark green paint (without extraction)

5) Multicolor carton (without extraction)

6) Multicolor sticker (without extraction)

<30 ppm <30 ppm

<30 ppm

<30 ppm <30 ppm

<30 ppm

INTERPRETATION OF AZO-DYES TEST RESULTS:

FORBIDDEN AMINE	CAS NO	<u>1</u> N	<u>2</u> N	<u>3</u> N	<u>4</u> N	<u>5</u> N	<u>6</u> N
4-AMINOBIPHENYL	92-67-1	N	N	N	N	N	N
BENZIDINE	92-87-5	N	N	N	N	N	N
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	N	N	N	N
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:

ppm: part per million (mg/kg) **Detection Limit: 5 ppm**

= Less Than $= \pm 9\%$

Total Uncertainty

N:Not detected



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



RESULTS

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Test Method Result Requirements Code

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>	Part 2	Part 3	Part 4	Part 5	Part 6	Part 7
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
		Part 8	Part 9	Part 10	Part 11	Part 12	Part 13	Part 14
Antimony	(Sh)	Part 8	Part 9	<u>Part 10</u>	<u>Part 11</u>	Part 12	Part 13	<u>Part 14</u>
Antimony Arsenic	(Sb) (As)	ND	ND	ND	ND	ND	ND	ND
Arsenic	(As)	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Arsenic Barium	(As) (Ba)	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND
Arsenic Barium Cadmium	(As) (Ba) (Cd)	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND
Arsenic Barium Cadmium Chromium	(As) (Ba) (Cd) (Cr)	ND ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND ND	ND ND ND ND ND	ND ND ND ND	ND ND ND ND
Arsenic Barium Cadmium Chromium Lead	(As) (Ba) (Cd) (Cr) (Pb)	ND ND ND ND ND ND	ND ND ND ND ND	ND ND ND ND ND	ND ND ND ND ND	ND ND ND ND ND	ND ND ND ND ND	ND ND ND ND ND
Arsenic Barium Cadmium Chromium	(As) (Ba) (Cd) (Cr)	ND ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND ND	ND ND ND ND ND	ND ND ND ND	ND ND ND ND

Requirement (nnm)

		Detection Limit	<u>Nequirement (ppin)</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

Detection Limit

(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

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>
Antimony	(Sb)	ND	ND	ND
Arsenic	(As)	ND	ND	ND
Barium	(Ba)	ND	ND	11 ppm
Cadmium	(Cd)	ND	ND	ND
Chromium	(Cr)	ND	ND	ND
Lead	(Pb)	ND	ND	ND
Mercury	(Hg)	ND	ND	ND
Selenium	(Se)	ND	ND	ND

		<u>Detection Limit</u>	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)

ND





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

	Part 8	Part 9	Part 10	Part 11	Part 12	Part 13
DIBUTYL PHTHALATE (DBP)	ND	ND	ND	ND	ND	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND	ND	ND	ND	ND	ND
BENZYL BUTYL PHTHALATE (BBP)	ND	ND	ND	ND	ND	ND
SUM OF THREE PHTHALATES	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
DI-ISO-NONYL PHTHALATE (DINP)	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND	ND	ND	ND	ND	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND	ND	ND	ND	ND	ND
SUM OF THREE PHTHALATES	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 %)





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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 14	Part 15	Part 16
DIBUTYL PHTHALATE (DBP)	ND	ND	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND	ND	ND
BENZYL BUTYL PHTHALATE (BBP)	ND	ND	ND
SUM OF THREE PHTHALATES	ND	ND	ND
	ND	ND	ND
DI-ISO-NONYL PHTHALATE (DINP)	ND	ND	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND	ND	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND	ND	ND
SUM OF THREE PHTHALATES	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

