

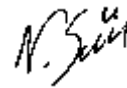
TEST REPORT

REPORT NUMBER : TURA160016036
APPLICANT NAME **Sanem Matbaacılık A.Ş.**
ADDRESS Başkent Org.San.Böl. 19 .CaddeNo:85 Maliköy Ankara / TÜRKİYE
FAX: 0312 640 12 32
ATTENTION : Abdurrahman Baştaş (abdurrahman@sanem.com.tr)
SAMPLE DESCRIPTION : Black plastic cover
BUYER : TÜKID
DATE IN : 01 February, 2016 (10:49)
DATE OUT : 08 February, 2016

PHOTO OF PRODUCT TESTED :



Uğur Yılmaz
Coordinator



Neslihan Sözer
Chemical Laboratory Manager

Intertek Test Hizmetleri A.S.
Merkez Mahallesi Sanayi Cad. No: 23 Altındağ Plaza Yenibosna 34197 - ISTANBUL / TURKEY
Phone : +90.212. 496 46 46 Fax : +90.212. 452 80 55
e-mail : intertekcg.turkiye@intertek.com
www.intertek-turkey.com



160016036



RESULTS
REPORT : TURA160016036



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Code	Test Method	Result	Requirements
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Part No	Tested Sample
1	Transparent plastic cover

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
Allergenic Disperse Dyestuff	IHTM AL.2.090 & AL.2.178 refer to DIN 54231:2005	P	-	50 ppm	2002/371/EC	Part 1
Carcinogenic Disperse Dyestuff	IHTM AL.2.091 refer to DIN 54231:2005 By High Performance Liquid Chromatography & Mass Spectroscopy (LC-MS-MS) & HPLC-DAD Analysis	P	-	Not Detected	2002/371/EC	Part 1
Azo Dyes	EN 14362-1 : 2012 for Textile Material	P	-	30 ppm	1907-2006-EC	Part 1
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
PAH	AfPS GS 2014:01	P	-	See PAH Test	2005/69/EC	Part 1
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

P = MEETS BUYER' S REQUIREMENT (GEÇTİ) / F = DOES NOT MEET BUYER' S REQUIREMENT (KALDI) / NR = NO REQUIREMENT (SINIR DEĞER BELİRTİLMEDİ) / SC=STILL CONTINUES (TEST İŞLEMİ DEVAM EDİYOR) / X=NOT PERFORMED (TEST EDİLMEDİ) / I = INCONCLUSIVE

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Code	Test Method	Result	Requirements
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Allergenic Disperse Dyestuff

IHTM AL.2.090:2010 & AL.2.178:2009 refer to DIN 54231:2005 By High Performance Liquid Chromatography & Mass Spectroscopy (LC-MS-MS) & HPLC – DAD Analysis :

<u>C.I. Generic Name</u>	<u>Part 1</u>
C.I. Disperse Blue 1:	ND
C.I. Disperse Blue 3:	ND
C.I. Disperse Blue 7:	ND
C.I. Disperse Blue 26:	ND
C.I. Disperse Blue 35:	ND
C.I. Disperse Blue 102:	ND
C.I. Disperse Blue 106:	ND
C.I. Disperse Blue 124:	ND
C.I. Disperse Brown 1:	ND
C.I. Disperse Orange 1:	ND
C.I. Disperse Orange 3:	ND
C.I. Disperse Orange 37/76:	ND
C.I. Disperse Orange 149:	ND
C.I. Disperse Red 1:	ND
C.I. Disperse Red 11:	ND
C.I. Disperse Red 17:	ND
C.I. Disperse Yellow 1:	ND
C.I. Disperse Yellow 3:	ND
C.I. Disperse Yellow 9:	ND
C.I. Disperse Yellow 23:	ND
C.I. Disperse Yellow 39:	ND
C.I. Disperse Yellow 49:	ND

ppm (part per million)	=mg / kg
Detection Limit	=3 ppm
<	=Less Than
ND	=Not Detected (Tespit Edilmedi)
Requirement	=50 ppm

(Total uncertainty=± 2 %)

Code	Test Method	Result	Requirements
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Carcinogenous Dyestuff

IHTM AL.2.091:2010 refer to DIN 54231:2005 By High Performance Liquid Chromatography (LC-MS-MS) & HPLC-DAD Analysis :

<u>COMPOUND</u>	<u>Part 1</u>
ACID RED 26	ND
BASIC RED 9	ND
BASIC VIOLET 14	ND
DIRECT BLACK 38	ND
DIRECT BLUE 6	ND
DIRECT RED 28	ND
DISPERSE BLUE 1	ND
DISPERSE ORANGE 11	ND
DISPERSE YELLOW 3	ND

ppm (part per million)	=mg / kg
Detection Limit	=0.5 mg/L
<	=Less Than
ND	=Not Detected
Requirement	=Not Detected

(Total uncertainty=± 3%)

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

1- Transparent plastic cover (with extraction)

<30 ppm

INTERPRETATION OF AZO-DYES TEST RESULTS:

<u>FORBIDDEN AMINE</u>	<u>CAS NO</u>	<u>1</u>
4-AMINOBIHENYL	92-67-1	N
BENZIDINE	92-87-5	N
CHLORO-O-4-CHLOR-O-TOLUIDINE	95-69-2	N
2-NAPHTHYLAMINE	91-59-8	N
*O-AMINOAZOTOLUENE	97-56-3	N
*2-AMINO-4-NITROTOLUENE	99-55-8	N
P-CHLOROANILINE	106-47-8	N
2,4-DIAMINOANISOLE	615-05-4	N
4,4'-DIAMINOBIHENYLMETHANE	101-77-9	N
3,3'-DICHLOBENZIDINE	91-94-1	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N
3,3'-DIMETHYLBENZIDINE	119-93-7	N
3,3'-DIMETHYL-4,4' DIAMINOBIHENYLMETHANE	838-88-0	N
P-CRESIDINE	120-71-8	N
4,4'-METHYLENE-BIS-(2 CHLOROANILINE)	101-14-4	N
4,4'-OXYDIANILINE	101-80-4	N
4,4'-THIODIANILINE	139-65-1	N
O-TOLUIDINE	95-53-4	N
2,4-TOLUYLENDIAMINE	95-80-7	N
2,4,5-TRIMETHYLANILINE	137-17-7	N
O-ANISIDINE	90-04-0	N
**P-AMINOAZOBENZENE	60-09-3	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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TOTAL PHTHALATE CONTENT

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

	<u>Part 1</u>
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
SUM OF THREE PHTHALATES	ND
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND
SUM OF THREE PHTHALATES	ND

REMARK =The Above Limit Was Quoted According To The EEC Directive 2005/84/EC On 14 December 2005.
ND =Not Detected (Tespit Edilmedi)
ppm (part per million) =mg / kg
Detection Limit =DIDP, DINP: 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
Polycyclic Aromatic Hydrocarbons (PAHs) Analysis			
INTERTEK IHTM AL.2.032 : 2012 based on AfPS GS 2014:01			
		RESULT	REQUIREMENT
			Category 2
			Materials not covered by category 1, with foreseeable skin contact for longer than 30 seconds (long-term skin contact) or repeated short-term skin contact ¹) (ppm)
		Part 1	Other products in the scope of ProdSG
1	Benzo (a) pyrene	ND	<0.5
2	Benzo (e) pyrene	ND	<0.5
3	Benzo (a) anthracene	ND	<0.5
4	Benzo (b) fluoranthene	ND	<0.5
5	Benzo (j) fluoranthene	ND	<0.5
6	Benzo (k) fluoranthene	ND	<0.5
7	Chrysene	ND	<0.5
8	Dibenzo (a,h) anthracene	ND	<0.5
9	Benzo (g,h,i) perylene	ND	<0.5
10	Indeno (1,2,3-cd) pyrene	ND	<0.5
11	Acenaphthylene	ND	<10
12	Acenaphthene	ND	
13	Fluorene	ND	
14	Phenanthrene	ND	
15	Pyrene	ND	
16	Anthracene	ND	
17	Fluoranthene	ND	
18	Naphthalene	0.36 ppm	<2
	Sum of 18 PAH	0.36 ppm	<10
	ppm (part per million) =mg / kg		
	Detection Limit = 0.2 ppm		
	ND = Not Detected (Tespit Edilmedi)		

Estimated Total Uncertainty= ±3%

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>		
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>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

END OF TEST REPORT

Intertek Test Hizmetleri A.S.

Merkez Mahallesi Sanayi Cad. No. 23 Altındağ Plaza Yenibosna 34197 - ISTANBUL / TURKEY

Phone : +90.212. 496 46 46 Fax : +90.212. 452 80 55

e-mail : intertekcg.turkiye@intertek.comwww.intertek-turkey.com