TEST REPORT

REPORT NUMBER : **TURA140106745**

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)

SAMPLE DESCRIPTION : Big point 12 colours twistable crayons

BUYER : TÜKID

DATE IN : **08 July, 2014 (13:59)**

DATE OUT : **15 July, 2014**

ARTICLE NO : BP747-00

PHOTO OF PRODUCT TESTED :

Merve Şahin
Coordinator

Neslihan Sözer
Chemical Laboratory Manager

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140106745

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Code	Test Method	Result	Requirements

Part No	Tested Sample
1	ORANGE BARREL
2	YELLOW BARREL
3	BEIGE BARREL
4	BLACK BARREL
5	GREEN BARREL
6	DARK GREEN BARREL
7	RED BARREL
8	PURPLE BARREL
9	PINK BARREL
10	BROWN BARREL
11	BLUE BARREL
12	LIGHT BLUE BARREL
13	ORANGE COVER
14	YELLOW COVER
15	BEIGE COVER
16	BLACK COVER
17	GREEN COVER
18	DARK GREEN COVER
19	RED COVER
20	PURPLE COVER
21	PINK COVER
22	BROWN COVER
23	BLUE COVER
24	LIGHT BLUE COVER
25	ORANGE CRAYON
26	YELLOW CRAYON
27	BEIGE CRAYON
28	BLACK CRAYON
29	GREEN CRAYON
30	DARK GREEN CRAYON
31	RED CRAYON
32	PURPLE CRAYON
33	PINK CRAYON
34	BROWN CRAYON
35	BLUE CRAYON
36	LIGHT BLUE CRAYON
37	MULTICOLOR CARTON
38	TRANSPARENT PACKAGE

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	P	-	30 ppm	1907-2006-EC	Part 1-37
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 1-38
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 1-38

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

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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&2&3&4&5&6&7&8&9&10&11&12&25&26&27&28&29&30&31&32&33&34&35&36&37

1)Composite sample of Orange,yellow,beige crayon (without extraction)	<30 ppm
2)Composite sample of Black,green,dark green crayon (without extarction)	<30 ppm
3)Composite sample of Red,purple,pink crayon (without extraction)	<30 ppm
4)Composite sample of Brown,blue,light blue crayon (without extraction)	<30 ppm
5)Multicolor carton (without extraction)	<30 ppm
6)Composite sample of Orange,yellow,beige barrel (with extraction)	<30 ppm
7)Composite sample of Black,green,dark green barrel (with extarction)	<30 ppm
8)Composite sample of Red,purple,pink barrel (with extraction)	<30 ppm
9)Composite sample of Brown,blue,light blue barrel (with extraction)	<30 ppm

INTERPRETATION OF AZO-DYES TEST RESULTS:

FORBIDDEN AMINE	CAS NO	1	2	3	4	5	6	7	8	9
4-AMINOBIPHENYL	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'-DIAMINOBIPHENYLMETHANE	101-77-9	N	N	N	N	N	N	N	N	N
3,3'-DICHLOROBENZIDINE	91-94-1	N	N	N	N	N	N	N	N	N
3,3'-DIMETHOXYBENZIDINE	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'-DİMETHYL-4,4' DIAMINOBIPHENYLMETHANE	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-AMİNOAZOBENZENE	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- 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 = ± 9%
N:Not detected

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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 13&14&15&16&17&18&19&20&21&22&24

10) Composite sample of Orange,yellow,beige cover (with extraction)	<30 ppm
11) Composite sample of Black,green,dark green cover (with extraction)	<30 ppm
12)Composite sample Red,purple,pink cover (with extraction)	<30 ppm
13)Composite sample of Brown,blue,light blue cover (with extraction)	<30 ppm

INTERPRETATION OF AZO-DYES TEST RESULTS:

FORBIDDEN AMINE	CAS NO	10	11	12	13
4-AMINOBIPHENYL	92-67-1	N	N	N	N
BENZIDINE	92-87-5	N	N	N	N
CHLORO-O-4-CHLOR-O-TOLUIDINE	95-69-2	N	N	N	N
2-NAPHTHYLAMINE	91-59-8	N	N	N	N
*O-AMINOAZOTOLUENE	97-56-3	N	N	N	N
*2-AMINO-4-NITROTOLUENE	99-55-8	N	N	N	N
P-CHLOROANILINE	106-47-8	N	N	N	N
2,4-DIAMINOANISOLE	615-05-4	N	N	N	N
4,4'-DIAMINOBIPHENYLMETHANE	101-77-9	N	N	N	N
3,3'-DICHLOROBENZIDINE	91-94-1	N	N	N	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N	N	N	N
3,3'-DIMETHYLBENZIDINE	119-93-7	N	N	N	N
3,3'-DİMETHYL-4,4' DIAMINOBIPHENYLMETHANE	838-88-0	N	N	N	N
P-CRESIDINE	120-71-8	N	N	N	N
4,4'-METHYLENE-BIS-(2 CHLOROANILINE)	101-14-4	N	N	N	N
4,4'-OXYDIANILINE	101-80-4	N	N	N	N
4,4'-THIODIANILINE	139-65-1	N	N	N	N
O-TOLUIDINE	95-53-4	N	N	N	N
2,4-TOLUYLENDIAMINE	95-80-7	N	N	N	N
2,4,5-TRIMETHYLANILINE	137-17-7	N	N	N	N
O-ANISIDINE	90-04-0	N	N	N	N
**P-AMİNOAZOBENZENE	60-09-3	N	N	N	N
2,4 XYLIDINE	95-68-1	N	N	N	N
2,6 XYLIDINE	87-62-7	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 = ± 9%
N:Not detected

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
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	(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

		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

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 15	Part 16	Part 17	Part 18	Part 19	Part 20	Part 21
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 22	Part 23	Part 24	Part 25	Part 26	Part 27	Part 28
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

		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

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 29	Part 30	Part 31	Part 32	Part 33	Part 34	Part 35
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 36	Part 37	Part 38
Antimony	(Sb)	ND	ND	ND
Arsenic	(As)	ND	ND	ND
Barium	(Ba)	ND	ND	ND
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

		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
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

	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

TOTAL PHTHALATE CONTENT

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

	Part 15	Part 16	Part 17	Part 18	Part 19	Part 20	Part 21
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

	Part 22	Part 23	Part 24	Part 25	Part 26	Part 27	Part 28
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

TOTAL PHTHALATE CONTENT

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

	Part 29	Part 30	Part 31	Part 32	Part 33	Part 34	Part 35
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

	Part 36	Part 37	Part 38
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

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