TEST REPORT

REPORT NUMBER : **TURA140106747**

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 (efe@bilgi-dagitim.com)

SAMPLE DESCRIPTION : Big point 24 & 12 colours pencil-24&12 colours pencils in tube

BUYER : TÜKID

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

DATE OUT : **15 July, 2014**

ARTICLE NO : BP940-24,BP940-12,BP940-00,BP941-24,BP941-12

PHOTO OF PRODUCT TESTED :

Merve Şahin
Coordinator

Neslihan Sözer
Chemical Laboratory Manager

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TÜRKAK Test TS EN ISO/IEC 17025 AB-0716-T

140106747

dogan.kilinc

Code	Test Method	Result	Requirements

Part No	Tested Sample
1	MULTICOLOR CARTON COVER
2	DARK YELLOW COATING WITH GOLD PRINT
3	YELLOW COATING WITH GOLD PRINT
4	LIGHT YELLOW COATING WITH GOLD PRINT
5	VIOLET COATING WITH GOLD PRINT
6	BLACK COATING WITH GOLD PRINT
7	BROWN COATING WITH GOLD PRINT
8	NAVY COATING WITH GOLD PRINT
9	GREY COATING WITH GOLD PRINT
10	PURPLE COATING WITH GOLD PRINT
11	LILAC COATING WITH GOLD PRINT
12	PINK COATING WITH GOLD PRINT
13	RED COATING WITH GOLD PRINT
14	BLUE COATING WITH GOLD PRINT
15	ORANGE COATING WITH GOLD PRINT
16	GOLD COATING WITH GOLD PRINT
17	DARK GREEN COATING WITH GOLD PRINT
18	GREEN COATING WITH GOLD PRINT
19	LIGHT GREEN COATING WITH GOLD PRINT
20	LIGHT BROWN COATING WITH GOLD PRINT
21	DARK BROWN COATING WITH GOLD PRINT
22	TAN COATING WITH GOLD PRINT
23	LIGHT BLUE COATING WITH GOLD PRINT
24	DARK ORANGE COATING WITH GOLD PRINT
25	ALGA GREEN COATING WITH GOLD PRINT
26	YELLOW LEAD
27	DARK YELLOW LEAD
28	LIGHT YELLOW LEAD
29	VIOLET LEAD
30	BLACK LEAD
31	NAVY LEAD
32	GREY LEAD
33	PURPLE LEAD
34	LILAC LEAD
35	PINK LEAD
36	RED LEAD
37	BLUE LEAD
38	ORANGE LEAD
39	GOLD LEAD
40	DARK GREEN LEAD
41	GREEN LEAD
42	LIGHT GREEN LEAD
43	LIGHT BROWN LEAD
44	DARK BROWN LEAD
45	TAN LEAD

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Code	Test Method	Result	Requirements

Part No	Tested Sample
46	LIGHT BLUE LEAD
47	DARK ORANGE LEAD
48	ALGA GREEN LEAD
49	BROWN LEAD
50	TRANSPARENT PLASTIC COVER

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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	P	-	30 ppm	1907-2006-EC	Part 1-49
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 1-50
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 1-50

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

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&13&14&15&16&17&18&19&20&21&22&23&24&25

1)Composite sample of Yellow,light yellow lead (without extraction)	<30 ppm
2)Composite sample of Violet,black lead (without extraction)	<30 ppm
3)Composite sample of Navy,grey,purple lead (without extraction)	<30 ppm
4)Composite sample of Lilac,pink,red lead (without extraction)	<30 ppm
5)Composite sample of Blue,orange,gold lead (without extraction)	<30 ppm
6)Composite sample of Dark green,green,light green lead (without extraction)	<30 ppm
7)Composite sample of Light brown,dark brown,tan lead (without extraction)	<30 ppm
8)Composite sample of Light blue,dark orange,alga green (without extraction)	<30 ppm
9)Composite sample of Dark yellow,yellow,light yellow coating (without extarction)	<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 26&27&28&29&30&31&32&33&34&35&36&37&38&39&40&41&42&43&44&45&46&47&48&49

10)Brown lead (without extraction)	<30 ppm
11)Composite sample of Navy,grey,purple coating (without extraction)	<30 ppm
12)Composite sample of Lilac,pink,red coating (without extraction)	<30 ppm
13)Composite sample of Blue,orange,gold coating (without extraction)	<30 ppm
14)Composite sample of Dark green,green,light green coating (without extraction)	<30 ppm
15)Composite sample of Light brown,dark brown,tan coating (without extraction)	<30 ppm
16)Composite sample of Light blue,dark orange, alga green coating (without extraction)	<30 ppm
17)Multicolor carton cover (without extraction)	<30 ppm

INTERPRETATION OF AZO-DYES TEST RESULTS:

FORBIDDEN AMINE	CAS NO	10	11	12	13	14	15	16	17
4-AMINOBIPHENYL	92-67-1	N	N	N	N	N	N	N	N
BENZIDINE	92-87-5	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
2-NAPHTHYLAMINE	91-59-8	N	N	N	N	N	N	N	N
*O-AMINOAZOTOLUENE	97-56-3	N	N	N	N	N	N	N	N
*2-AMINO-4-NITROTOLUENE	99-55-8	N	N	N	N	N	N	N	N
P-CHLOROANILINE	106-47-8	N	N	N	N	N	N	N	N
2,4-DIAMINOANISOLE	615-05-4	N	N	N	N	N	N	N	N
4,4'-DIAMINOBIPHENYLMETHANE	101-77-9	N	N	N	N	N	N	N	N
3,3'-DICHLOROBENZIDINE	91-94-1	8 ppm	N	N	N	N	N	N	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N	N	N	N	N	N	N	N
3,3'-DIMETHYLBENZIDINE	119-93-7	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
P-CRESIDINE	120-71-8	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
4,4'-OXYDIANILINE	101-80-4	N	N	N	N	N	N	N	N
4,4'-THIODIANILINE	139-65-1	N	N	N	N	N	N	N	N
O-TOLUIDINE	95-53-4	N	N	N	N	N	N	N	N
2,4-TOLUYLENDIAMINE	95-80-7	N	N	N	N	N	N	N	N
2,4,5-TRIMETHYLANILINE	137-17-7	N	N	N	N	N	N	N	N
O-ANISIDINE	90-04-0	N	N	N	N	N	N	N	N
**P-AMİNOAZOBENZENE	60-09-3	N	N	N	N	N	N	N	N
2,4 XYLIDINE	95-68-1	N	N	N	N	N	N	N	N
2,6 XYLIDINE	87-62-7	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.
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ppm : part per million (mg/kg)
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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
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

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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 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	36 ppm	33 ppm	31 ppm
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

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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.

		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)	10 ppm	15 ppm	14 ppm	4 ppm	5 ppm	7 ppm	5 ppm
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	Part 39	Part 40	Part 41	Part 42
Antimony	(Sb)	ND	ND	ND	ND	ND	ND	ND
Arsenic	(As)	ND	ND	ND	ND	ND	ND	ND
Barium	(Ba)	6 ppm	8 ppm	21 ppm	16 ppm	18 ppm	5 ppm	8 ppm
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)
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< =Less Than
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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 43	Part 44	Part 45	Part 46	Part 47	Part 48	Part 49
Antimony	(Sb)	ND	ND	ND	ND	ND	ND	ND
Arsenic	(As)	ND	ND	ND	ND	ND	ND	ND
Barium	(Ba)	7 ppm	11 ppm	14 ppm	16 ppm	22 ppm	24 ppm	27 ppm
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 50
Antimony	(Sb)	ND
Arsenic	(As)	ND
Barium	(Ba)	ND
Cadmium	(Cd)	ND
Chromium	(Cr)	ND
Lead	(Pb)	ND
Mercury	(Hg)	ND
Selenium	(Se)	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	Part 39	Part 40	Part 41	Part 42
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 43	Part 44	Part 45	Part 46	Part 47	Part 48	Part 49
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 50
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

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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