

TEST RAPORU

İş No./Rapor No TR289864

Tarih:11 August 2011

Sayfa 1 of 7

FIMA KIRTASIYE BIL HIZ YAY KIT TUR DIS TIC LTD.STI
ISTOC TICARET MERKEZI 3 YOLSK PETROL PLAZA KAT 5 MAHMUTBEY ISTANBUL
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To the Hatice Abak'ın Dikkatine

Ürünler müşteri adına tanımlanıp aşağıdaki gibi düzenlenmiştir:

Numune No.	Numune Tanımı
A	Jumbo Mum Boya

Müşteri Referans No : TR 289864
Alıcı : Hardline
Referans No. : FMM-12J-FDC012
Üretici : FIMA KIRTASIYE
Numunenin Alındığı Tarih : 1 August 2011
Test Süresi : 1 August 2011 ~ 11 August 2011
Genel Sonuç : GEÇTİ
Test Sonuçları : Lütfen Diğer Sayfaları Kontrol Ediniz
Gerçekleştirilen Testlerin Özeti Seçilen testler müşterinin standardına bağlı olarak müşteri tarafından istenmiştir.

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TEST RAPORU

İş No./Rapor No TR289864

Tarih:11 August 2011 Sayfa 2 of 7

Test Parameters	Sonuç			
	1 + 2 + 3	10 + 11 + 12	4 + 5 + 6	7 + 8 + 9
Kimyasal Testler				
Azo Dyes (Textile)	G	#	G	G
Phthalates	G	G	G	G
Azo Dyes (Textile LFGB)	-	G	-	-

Remarks	:	G = Müşteri standardına uygun K = Müşteri standardına uygun değil * = Sınır değer belirtilmedi # = For 2-composite mix with results exceeding one half of the relevant requirements or 3-composite mix with results exceeding one third of the relevant requirements, the composite sample may have the possibility of one or more components that can lead to a failure result, therefore, it is recommended to test on individual basis.
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Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s). The composite sampling method is based on the client's special request and is a modification from the testing standard.
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The test results relate to the tested items only.
Test reports without SGS seal and authorised signatures are invalid.
Reported results do not include uncertainties.
The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS and DAkKS requirements.
In this Test Report tests marked (1) are included in the UKAS Accreditation Scope, marked (2) are included in the DAkKS Accreditation Scope of this Laboratory. Opinions and interpretations expressed herein are outside the scope of UKAS or DAkKS Accreditation.

Issued in Istanbul
Signed for and on behalf of
SGS Supervise Gözetme Etüd
Kontrol Servisleri A.Ş.

Neslihan Erol
Customer Relations Supervisor

Ayşe Çimen
Customer Services Manager



CTSL-F-5.10-1N/F/31.03.2011/Rev.1

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TEST RAPORU

İş No./Rapor No TR289864

Tarih:11 August 2011 Sayfa 3 of 7

Component List / List of Materials for Chemical Test

Sample No.	Sample Description	Sample Colour	Material No.	Component	Material	Colour
A	jumbo wax crayon		1	wax crayon	Dye	purple
A	jumbo wax crayon		2	wax crayon	Dye	black
A	jumbo wax crayon		3	wax crayon	Dye	dark blue
A	jumbo wax crayon		4	wax crayon	Dye	Blue
A	jumbo wax crayon		5	wax crayon	Dye	light green
A	jumbo wax crayon		6	wax crayon	Dye	Green
A	jumbo wax crayon		7	wax crayon	Dye	brown
A	jumbo wax crayon		8	wax crayon	Dye	light pink
A	jumbo wax crayon		9	wax crayon	Dye	Pink
A	jumbo wax crayon		10	wax crayon	Dye	yellow
A	jumbo wax crayon		11	wax crayon	Dye	orange
A	jumbo wax crayon		12	wax crayon	Dye	red

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TEST RAPORU

İş No./Rapor No TR289864

Tarih: 11 August 2011 Sayfa 4 of 7

Detail Test Result:

Azo Dyes (Textile)?

Test Method: ACCORDING TO BS EN 14362-1:2003 - ANALYSIS BY GC-MS/HPLC-DAD

<u>Component</u>	<u>Cas No</u>	<u>1 + 2 + 3</u>	<u>4 + 5 + 6</u>	<u>7 + 8 + 9</u>
4-Aminobiphenyl	92-67-1	n.d.	n.d.	n.d.
Benzidine	92-87-5	n.d.	n.d.	n.d.
4-Chlor-o-toluidine	95-69-2	n.d.	n.d.	n.d.
2-Naphthylamine	91-59-8	n.d.	n.d.	n.d.
o-Aminoazotoluene	97-56-3	n.d.	n.d.	n.d.
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	n.d.	n.d.	n.d.
4-Chloroaniline	106-47-8	n.d.	n.d.	n.d.
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4		n.d.	n.d.
4,4'-Diaminodiphenylmethane	101-77-9	n.d.	n.d.	n.d.
3,3'-Dichlorobenzidine	91-94-1	n.d.	n.d.	n.d.
3,3'-Dimethoxybenzidine	119-90-4	n.d.	n.d.	n.d.
3,3'-Dimethylbenzidine	119-93-7	n.d.	n.d.	n.d.
4,4'-methylenedi-o-toluidine /		n.d.	n.d.	n.d.
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0			
p-Cresidine	120-71-8	n.d.	n.d.	n.d.
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	n.d.	n.d.	n.d.
4,4'-Oxydianiline	101-80-4		n.d.	n.d.
4,4'-Thiodianiline	139-65-1	n.d.	n.d.	n.d.
o-Toluidine	95-53-4	n.d.	n.d.	n.d.
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine	95-80-7	n.d.	n.d.	n.d.
2,4,5-Trimethylaniline	137-17-7	n.d.	n.d.	n.d.
**4-aminoazobenzene	60-09-3	n.d.	n.d.	n.d.
O-Anisidine	90-04-0	n.d.	n.d.	n.d.
	Sonuç	Geçti	Geçti	Geçti

Note(s):

n.d. = not detected

* = exceed the limit

Detection Limit = 5 mg/kg (for individual compound)

Requirement by the client= 30 mg/kg

Remark: ** Test result for 4-aminoazobenzene (CAS no.: 60-09-3) is considered as "not detected" (i.e. <5mg/kg) since both aniline and/or 1,4-phenylenediamine is not found (i.e. <5mg/kg) by mentioned test method.

Max. limit specified by EU directive 2002/61/EC

Total Uncertainty = ± 30%

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TEST RAPORU

İş No./Rapor No TR289864

Tarih:11 August 2011 Sayfa 5 of 7

Azo Dyes (Textile LFGB)²

Test Method: ACCORDING TO BS EN 14362-1:2003 § 64 LFGB BVL B 82.02-9:2008 - ANALYSIS BY GC-MS

<u>Component</u>	<u>Cas No</u>	<u>10 + 11 + 12</u>
4-Aminobiphenyl	92-67-1	n.d.
Benzidine	92-87-5	n.d.
4-Chlor-o-toluidine	95-69-2	n.d.
2-Naphthylamine	91-59-8	n.d.
o-Aminoazotoluene	97-56-3	n.d.
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	n.d.
4-Chloroaniline	106-47-8	n.d.
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisol	615-05-4	n.d.
4,4'-Diaminodiphenylmethane	101-77-9	n.d.
3,3'-Dichlorobenzidine	91-94-1	n.d.
3,3'-Dimethoxybenzidine	119-90-4	n.d.
3,3'-Dimethylbenzidine	119-93-7	n.d.
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	n.d.
p-Cresidine	120-71-8	n.d.
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	n.d.
4,4'-Oxydianiline	101-80-4	n.d.
4,4'-Thiodianiline	139-65-1	n.d.
o-Toluidine	95-53-4	n.d.
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine	95-80-7	n.d.
2,4,5-Trimethylaniline	137-17-7	n.d.
*4-aminoazobenzene	60-09-3	n.d.
O-Anisidine	90-04-0	n.d.
	Sonuç	Geçti

Note(s):

n.d. = not detected

* = exceed the limit

Detection Limit = 5 mg/kg (for individual compound)

Requirement by the client= 30 mg/kg

Remark: * The BS EN 14362-1 method will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine, therefore, the test method of § 64 LFGB, BVL, B 82.02.9 was employed to verify the presence of 4-aminoazobenzene.

Max. limit specified by EU directive 2002/61/EC

Total uncertainty: ± 30%

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TEST RAPORU

İş No./Rapor No TR289864

Tarih:11 August 2011 Sayfa 6 of 7

Phthalates²

Test Method:

WITH REFERENCE TO ASTM D3421:1975 - ANALYSIS BY GC/MS

Component

Cas No

1 + 2 + 3

10 + 11 + 12

4 + 5 + 6

7 + 8 + 9

Component	Cas No	1 + 2 + 3	10 + 11 + 12	4 + 5 + 6	7 + 8 + 9
Dibutyl Phthalate (DBP)	84-74-2	n.d.	n.d.	n.d.	n.d.
Benzylbutyl Phthalate (BBP)	85-68-7	n.d.	n.d.	n.d.	n.d.
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	n.d.	n.d.	n.d.	n.d.
Diisononyl Phthalate (DINP)	28553-12-0	n.d.	n.d.	n.d.	n.d.
Di-n-octyl Phthalate (DNOP)	117-84-0	n.d.	n.d.	n.d.	n.d.
Diisodecyl Phthalate (DIDP)	26761-40-0	n.d.	n.d.	n.d.	n.d.
	Sonuç	Geçti	Geçti	Geçti	Geçti

Note(s):

* Composite test has been performed as per the special request of client

n.d. = not detected

* = exceed the limit

< = less than

Detection Limit = For DBP, BBP, DEHP and DNOP: 0,003%, For DINP, DIDP: 0,01% (for individual compound)

Total Uncertainty= ± 25%

Recommended Max. Limit=

0,1 % for Total (DBP+BBP+DEHP) For all childcare articles

0,1 % for Total (DINP+DNOP+DIDP) For childcare articles if it can be placed in the mouth

Remark:

Recommended Max. limit specified by entries 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).



* * *

End of Test Report

* * *

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