

TEST RAPORU

İş No./Rapor No TR289855 R3

Tarih:9 Ocak 2012

Sayfa 1 of 17

FIMA KIRTASIYE BİL HİZ YAY KİT TUR DİS TİC LTD.STİ
ISTOC TİCARET MERKEZİ 3 YOLSK PETROL PLAZA KAT 5 MAHMUTBEY İSTANBUL
TEL: 0212 6597441
FAX: 02126597442
Hatice Abak'ın Dikkatine

Ürünler müşteri adına tanımlanıp aşağıdaki gibi düzenlenmiştir:

| Numune No. | Numune Tanımı |
|------------|-----------------------|
| A | Krapon kağıdı |
| B | Oluklu mukavva karton |

Müşteri Referans No : TR 289855
Alıcı : Hardline
Sipariş No : Belirtilmemiş
Model/Stil No. : Belirtilmemiş
Referans No. : FOM-30,FOM-01,FOM-02,FOM-03,FOM-04,FOM-05,FOM-06,FOM-07
FOM-08,FOM-09,FOM-10,FOM-11,FOM-12,FOM-13,FOM-14,FOM-15,
FOM-00,FOM-20
FKK-01,FKK-02,FKK-03,FKK-04,FKK-05,FKK-06,FKK-07FKK-08,FKK-09,
FKK-10,FKK-11,FKK-12,FKK-13,FKK-14,FKK-00,FKK-20,FKK-30,FKK-40
Yaş Aralığı : Belirtilmemiş
Üretici : FIMA KIRTASIYE
Menşei ülke : Belirtilmemiş
İhraç Edilecek Ülke : Belirtilmemiş
Gönderi Tarihi : Belirtilmemiş
Numunenin Alındığı Tarih : 1 Ağustos 2011
Test Süresi : 1 Ağustos 2011 ~ 9 Ağustos 2011
Yıkama Talimatı Bilgisi : : Belirtilmemiş

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 Parametreleri | Sonuç | | | | | |
|-------------------------------|------------------|-----------|----------------|-----------|----------------|---------------------|
| Kimyasal Testler | 1 + 3 + 4 | 11 | 11 + 12 | 12 | 15 + 16 | 17 + 18 + 19 |
| Azo Dyes (Textile) | G | - | # | G | G | G |
| Azo Dyes (Textile LFGB) | - | - | # | G | - | - |
| Allergenous Disperse Dyes | G | - | G | - | G | G |
| Migration of Certain Elements | G | - | G | - | G | G |

| Test Parametreleri | Sonuç | | | | | |
|-------------------------------|--------------------|---------------------|---------------------|---------------------|-----------|----------|
| Kimyasal Testler | 2 + 13 + 14 | 20 + 21 + 22 | 23 + 24 + 25 | 26 + 27 + 28 | 29 | 5 |
| Azo Dyes (Textile) | G | G | G | G | G | - |
| Azo Dyes (Textile LFGB) | - | - | - | - | - | - |
| Allergenous Disperse Dyes | - | G | G | G | G | - |
| Migration of Certain Elements | - | G | G | G | G | - |

| Test Parametreleri | Sonuç | | | |
|-------------------------------|------------------|----------|----------|-------------------|
| Kimyasal Testler | 5 + 6 + 7 | 6 | 7 | 8 + 9 + 10 |
| Azo Dyes (Textile) | # | G | G | G |
| Azo Dyes (Textile LFGB) | # | G | G | - |
| Allergenous Disperse Dyes | G | - | - | G |
| Migration of Certain Elements | G | - | - | G |

| Kimyasal Testler | 2 + 13 |
|-------------------------------|---------------|
| Azo Dyes (Textile) | - |
| Azo Dyes (Textile LFGB) | - |
| Allergenous Disperse Dyes | G |
| Migration of Certain Elements | G |

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| | | |
|---------|--|---|
| 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. |
| 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. | |

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.

NOTE: IN THIS REVISED-1 REPORT ALLERGENOUS DISPERSE DYES RESULT AND MIGRATION OF CERTAIN ELEMENTS RESULTS WERE ADDED BY THE REQUEST OF THE APPLICANT.

THIS REPORT SUPERSEDES OUR REPORT NO: 289855 R2 DATED 24.08.2011

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

Nilay Gültekin
Customer Services Team Leader

Ayşe Çimen
Customer Services Manager

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Component List / List of Materials for Chemical Test

| Sample No. | Sample Description | Sample Colour | Material No. | Component | Material | Colour |
|------------|----------------------|----------------------------|--------------|----------------------|----------|----------------------------|
| A | Grafo paper | Purple | 1 | Grafo paper | Paper | Purple |
| A | Grafo paper | Light brown | 10 | Grafo paper | Paper | Light brown |
| A | Grafo paper | Orange | 11 | Grafo paper | Paper | Orange |
| A | Grafo paper | Dark pink | 12 | Grafo paper | Paper | Dark pink |
| A | Grafo paper | Pearl (light Pink) | 13 | Grafo paper | Paper | Pearl (light Pink) |
| A | Grafo paper | Pearl (Pink) | 14 | Grafo paper | Paper | Pearl (Pink) |
| A | Grafo paper | Pearl (light blue) | 15 | Grafo paper | Paper | Pearl (light blue) |
| A | Grafo paper | pearl(gold) | 16 | Grafo paper | Paper | pearl(gold) |
| A | Grafo paper | Pearl (floreescence green) | 2 | Grafo paper | Paper | Pearl (floreescence green) |
| A | Grafo paper | Light green | 3 | Grafo paper | Paper | Light green |
| A | Grafo paper | Dark green | 4 | Grafo paper | Paper | Dark green |
| A | Grafo paper | Red | 5 | Grafo paper | Paper | Red |
| A | Grafo paper | Black | 6 | Grafo paper | Paper | Black |
| A | Grafo paper | Blue | 7 | Grafo paper | Paper | Blue |
| A | Grafo paper | Turquoise | 8 | Grafo paper | Paper | Turquoise |
| A | Grafo paper | Yellow | 9 | Grafo paper | Paper | Yellow |
| B | Corrugated cardboard | Dark pink | 17 | Corrugated cardboard | Paper | Dark pink |
| B | Corrugated cardboard | Yellow | 18 | Corrugated cardboard | Paper | Yellow |
| B | Corrugated cardboard | Orange | 19 | Corrugated cardboard | Paper | Orange |
| B | Corrugated cardboard | Dark Orange | 20 | Corrugated cardboard | Paper | Dark Orange |
| B | Corrugated cardboard | Red | 21 | Corrugated cardboard | Paper | Red |
| B | Corrugated cardboard | Light Pink | 22 | Corrugated cardboard | Paper | Light Pink |
| B | Corrugated cardboard | Green | 23 | Corrugated cardboard | Paper | Green |
| B | Corrugated cardboard | Turquoise | 24 | Corrugated cardboard | Paper | Turquoise |
| B | Corrugated cardboard | Purple | 25 | Corrugated cardboard | Paper | Purple |

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| | | | | | | |
|----------|----------------------|------------|----|----------------------|-------|------------|
| B | Corrugated cardboard | Bordeaux | 26 | Corrugated cardboard | Paper | Bordeaux |
| B | Corrugated cardboard | Dark blue | 27 | Corrugated cardboard | Paper | Dark blue |
| B | Corrugated cardboard | Light blue | 28 | Corrugated cardboard | Paper | Light blue |
| B | Corrugated cardboard | Black | 29 | Corrugated cardboard | Paper | Black |

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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 + 3 + 4</u> | <u>20 + 21 +</u> <u>22</u> | <u>15 + 16</u> | <u>17 + 18 +</u> <u>19</u> | <u>2 + 13 +</u> <u>14</u> |
|--|---------------|------------------|-------------------------------|----------------|-------------------------------|------------------------------|
| 4-Aminobiphenyl | 92-67-1 | n.d. | n.d. | n.d. | n.d. | n.d. |
| Benzidine | 92-87-5 | n.d. | n.d. | n.d. | n.d. | n.d. |
| 4-Chlor-o-toluidine | 95-69-2 | n.d. | n.d. | 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. | n.d. | n.d. |
| 5-nitro-o-toluidine / 2-Amino-4-nitrotoluene | 99-55-8 | n.d. | n.d. | n.d. | n.d. | n.d. |
| 4-Chloroaniline | 106-47-8 | n.d. | n.d. | n.d. | n.d. | n.d. |
| 4-methoxy-m-phenylenediamine / 2,4-Diaminoanisoole | 615-05-4 | n.d. | n.d. | n.d. | n.d. | n.d. |
| 4,4'-Diaminodiphenylmethane | 101-77-9 | n.d. | n.d. | n.d. | n.d. | n.d. |
| 3,3'-Dichlorobenzidine | 91-94-1 | n.d. | n.d. | n.d. | n.d. | n.d. |
| 3,3'-Dimethoxybenzidine | 119-90-4 | n.d. | n.d. | n.d. | n.d. | n.d. |
| 3,3'-Dimethylbenzidine | 119-93-7 | n.d. | n.d. | n.d. | n.d. | n.d. |
| 4,4'-methylenedi-o-toluidine / | | n.d. | n.d. | 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. | n.d. | n.d. |
| 4,4'-Methylene-bis-(2-chloroaniline) | 101-14-4 | n.d. | n.d. | n.d. | n.d. | n.d. |
| 4,4'-Oxydianiline | 101-80-4 | n.d. | n.d. | n.d. | n.d. | n.d. |
| 4,4'-Thiodianiline | 139-65-1 | n.d. | n.d. | n.d. | n.d. | n.d. |
| o-Toluidine | 95-53-4 | n.d. | n.d. | n.d. | n.d. | n.d. |
| 4-methyl-m-phenylenediamine / 2,4-Toluylendiamine | 95-80-7 | n.d. | n.d. | n.d. | n.d. | n.d. |
| 2,4,5-Trimethylaniline | 137-17-7 | n.d. | n.d. | n.d. | n.d. | n.d. |
| **4-aminoazobenzene | 60-09-3 | n.d. | n.d. | n.d. | n.d. | n.d. |
| O-Anisidine | 90-04-0 | n.d. | n.d. | n.d. | n.d. | n.d. |
| | Sonuç | Geçti | Geçti | 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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Azo Dyes (Textile)²

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

| Component | Cas No | 23 + 24 + 25 | 26 + 27 + 28 | 29 | 8 + 9 + 10 |
|--|--------------|--------------|--------------|--------------|--------------|
| 4-Aminobiphenyl | 92-67-1 | n.d. | n.d. | n.d. | n.d. |
| Benzidine | 92-87-5 | n.d. | n.d. | n.d. | n.d. |
| 4-Chlor-o-toluidine | 95-69-2 | n.d. | n.d. | n.d. | n.d. |
| 2-Naphthylamine | 91-59-8 | n.d. | n.d. | n.d. | n.d. |
| o-Aminoazotoluene | 97-56-3 | n.d. | n.d. | n.d. | n.d. |
| 5-nitro-o-toluidine / 2-Amino-4-nitrotoluene | 99-55-8 | n.d. | n.d. | n.d. | n.d. |
| 4-Chloroaniline | 106-47-8 | n.d. | n.d. | n.d. | n.d. |
| 4-methoxy-m-phenylenediamine / 2,4-Diaminoanisoole | 615-05-4 | n.d. | n.d. | n.d. | n.d. |
| 4,4'-Diaminodiphenylmethane | 101-77-9 | n.d. | n.d. | n.d. | n.d. |
| 3,3'-Dichlorobenzidine | 91-94-1 | n.d. | n.d. | n.d. | n.d. |
| 3,3'-Dimethoxybenzidine | 119-90-4 | n.d. | n.d. | n.d. | n.d. |
| 3,3'-Dimethylbenzidine | 119-93-7 | n.d. | n.d. | n.d. | n.d. |
| 4,4'-methylenedi-o-toluidine / | | n.d. | 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. | n.d. |
| 4,4'-Methylene-bis-(2-chloroaniline) | 101-14-4 | n.d. | n.d. | n.d. | n.d. |
| 4,4'-Oxydianiline | 101-80-4 | n.d. | n.d. | n.d. | n.d. |
| 4,4'-Thiodianiline | 139-65-1 | n.d. | n.d. | n.d. | n.d. |
| o-Toluidine | 95-53-4 | n.d. | n.d. | n.d. | n.d. |
| 4-methyl-m-phenylenediamine / 2,4-Toluylendiamine | 95-80-7 | n.d. | n.d. | n.d. | n.d. |
| 2,4,5-Trimethylaniline | 137-17-7 | n.d. | n.d. | n.d. | n.d. |
| **4-aminoazobenzene | 60-09-3 | n.d. | n.d. | n.d. | n.d. |
| O-Anisidine | 90-04-0 | n.d. | n.d. | n.d. | n.d. |
| | Sonuç | Geçti | 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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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

| Component | Cas No | 12 | 6 | 7 |
|--|--------------|--------------|--------------|--------------|
| 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-Diaminoanisoole | 615-05-4 | n.d. | 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 / | | | | |
| 3,3'-Dimethyl-4,4'-diaminodiphenylmethane | 838-88-0 | n.d. | n.d. | n.d. |
| 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. | 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: * 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 TR289855 R3

Tarih:9 Ocak 2012

Sayfa 10 of 17

Allergenic Disperse Dyes²

Test Method: WITH REFERENCE TO DIN 54231:2005 - ANALYSIS BY LC-DAD/MSD

| Component | Cas No | 1+3+4 | 11+12 | 15+16 | 17+18+19 | 2+13 |
|--|--------------------------|-------|-------|-------|----------|------|
| C.I. Disperse Blue 1 (Structure No: C.I. 64 500) | 2475-45-8 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 3 (Structure No: C.I. 61 505) | 2475-46-9 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 7 (Structure No: C.I. 62 500) | 3179-90-6 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 26 (Structure No: C.I. 63 305) | 3860-63-7 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 35 | 56524-77-7 56524-76-6 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 102 | 12222-97-8 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 106 | 12223-01-7 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 124 | 61951-51-7 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Brown 1 | 23355-64-8 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Orange 1 (Structure No: C.I. 11 080) | 2581-69-3 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Orange 3 (Structure No: C.I. 11 005) | 730-40-5 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Orange 37/76 | 13301-61-6 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Red 1 (Structure No: C.I. 11 110) | 2872-52-8 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Red 11 (Structure No: C.I. 62 015) | 2872-48-2 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Red 17 (Structure No: C.I. 11 210) | 3179-89-3 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Yellow 1 (Structure No: C.I. 10 345) | 119-15-3 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Yellow 3 (Structure No: C.I. 11 855) | 2832-40-8 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Yellow 9 (Structure No: C.I. 10 375) | 6373-73-5 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Yellow 23 | 6250-23-3 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Yellow 39 | -- | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Yellow 49 | 54824-37-2 | n.d. | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Orange 149 | 85136-74-9 | n.d. | n.d. | n.d. | n.d. | n.d. |

Sonuç Geçti Geçti Geçti Geçti Geçti

Note(s):

Results reported on sample extract only. The unit of result is mg/kg.

n.d. = not detected

* = exceed the limit

< = less than

Detection Limit = 15 mg/kg (for individual compound)

Requirement by the client=

Not detected

TEST RAPORU

İş No./Rapor No TR289855 R3

Tarih:9 Ocak 2012

Sayfa 11 of 17

Allergenous Disperse Dyes²

Test Method: WITH REFERENCE TO DIN 54231 :2005 - ANALYSIS BY LC-DAD/MSD

| Component | Cas No | 20+21+22 | 23+24+25 | 26+27+28 | 29 |
|--|---------------|-----------------|-----------------|-----------------|--------------|
| C.I. Disperse Blue 1 (Structure No: C.I. 64 500) | 2475-45-8 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 3 (Structure No: C.I. 61 505) | 2475-46-9 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 7 (Structure No: C.I. 62 500) | 3179-90-6 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 26 (Structure No: C.I. 63 305) | 3860-63-7 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 35 | 56524-77-7 | n.d. | n.d. | n.d. | n.d. |
| | 56524-76-6 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 102 | 12222-97-8 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 106 | 12223-01-7 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Blue 124 | 61951-51-7 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Brown 1 | 23355-64-8 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Orange 1 (Structure No: C.I. 11 080) | 2581-69-3 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Orange 3 (Structure No: C.I. 11 005) | 730-40-5 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Orange 37/76 | 13301-61-6 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Red 1 (Structure No: C.I. 11 110) | 2872-52-8 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Red 11 (Structure No: C.I. 62 015) | 2872-48-2 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Red 17 (Structure No: C.I. 11 210) | 3179-89-3 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Yellow 1 (Structure No: C.I. 10 345) | 119-15-3 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Yellow 3 (Structure No: C.I. 11 855) | 2832-40-8 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Yellow 9 (Structure No: C.I. 10 375) | 6373-73-5 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Yellow 23 | 6250-23-3 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Yellow 39 | -- | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Yellow 49 | 54824-37-2 | n.d. | n.d. | n.d. | n.d. |
| C.I. Disperse Orange 149 | 85136-74-9 | n.d. | n.d. | n.d. | n.d. |
| | Sonuç | Geçti | Geçti | Geçti | Geçti |

Note(s):

Results reported on sample extract only. The unit of result is mg/kg.

n.d. = not detected

* = exceed the limit

< = less than

Detection Limit = 15 mg/kg (for individual compound)

Requirement by the client=

Not detected

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TEST RAPORU

İş No./Rapor No TR289855 R3

Tarih:9 Ocak 2012

Sayfa 12 of 17

Allergenous Disperse Dyes²

Test Method: WITH REFERENCE TO DIN 54231:2005 - ANALYSIS BY LC-DAD/MSD

| Component | Cas No | 5+6+7 | 8+9+10 |
|--|--------------------------|--------------|---------------|
| C.I. Disperse Blue 1 (Structure No: C.I. 64 500) | 2475-45-8 | n.d. | n.d. |
| C.I. Disperse Blue 3 (Structure No: C.I. 61 505) | 2475-46-9 | n.d. | n.d. |
| C.I. Disperse Blue 7 (Structure No: C.I. 62 500) | 3179-90-6 | n.d. | n.d. |
| C.I. Disperse Blue 26 (Structure No: C.I. 63 305) | 3860-63-7 | n.d. | n.d. |
| C.I. Disperse Blue 35 | 56524-77-7 56524-76-6 | n.d. | n.d. |
| C.I. Disperse Blue 102 | 12222-97-8 | n.d. | n.d. |
| C.I. Disperse Blue 106 | 12223-01-7 | n.d. | n.d. |
| C.I. Disperse Blue 124 | 61951-51-7 | n.d. | n.d. |
| C.I. Disperse Brown 1 | 23355-64-8 | n.d. | n.d. |
| C.I. Disperse Orange 1 (Structure No: C.I. 11 080) | 2581-69-3 | n.d. | n.d. |
| C.I. Disperse Orange 3 (Structure No: C.I. 11 005) | 730-40-5 | n.d. | n.d. |
| C.I. Disperse Orange 37/76 | 13301-61-6 | n.d. | n.d. |
| C.I. Disperse Red 1 (Structure No: C.I. 11 110) | 2872-52-8 | n.d. | n.d. |
| C.I. Disperse Red 11 (Structure No: C.I. 62 015) | 2872-48-2 | n.d. | n.d. |
| C.I. Disperse Red 17 (Structure No: C.I. 11 210) | 3179-89-3 | n.d. | n.d. |
| C.I. Disperse Yellow 1 (Structure No: C.I. 10 345) | 119-15-3 | n.d. | n.d. |
| C.I. Disperse Yellow 3 (Structure No: C.I. 11 855) | 2832-40-8 | n.d. | n.d. |
| C.I. Disperse Yellow 9 (Structure No: C.I. 10 375) | 6373-73-5 | n.d. | n.d. |
| C.I. Disperse Yellow 23 | 6250-23-3 | n.d. | n.d. |
| C.I. Disperse Yellow 39 | -- | n.d. | n.d. |
| C.I. Disperse Yellow 49 | 54824-37-2 | n.d. | n.d. |
| C.I. Disperse Orange 149 | 85136-74-9 | n.d. | n.d. |

Sonuç Geçti Geçti

Note(s):

Results reported on sample extract only. The unit of result is mg/kg.

n.d. = not detected

* = exceed the limit

< = less than

Detection Limit = 15 mg/kg (for individual compound)

Requirement by the client=

Not detected

TEST RAPORU

İş No./Rapor No TR289855 R3

Tarih:9 Ocak 2012

Sayfa 13 of 17

Migration of Certain Elements²

Test Method: WITH REFERENCE TO BS EN 71-3:1995 BS 5665-3:1995 - ANALYSED BY ICP-OES/MS

| Component | 1+3+4 | 11+12 | 15+16 | 17+18+19 | 2+13 |
|---------------|--------------|--------------|--------------|--------------|--------------|
| Antimony (Sb) | n.d. | n.d. | n.d. | n.d. | n.d. |
| Arsenic (As) | n.d. | n.d. | n.d. | n.d. | n.d. |
| Cadmium (Cd) | n.d. | n.d. | n.d. | n.d. | n.d. |
| Chromium (Cr) | n.d. | n.d. | n.d. | n.d. | n.d. |
| Lead (Pb) | n.d. | n.d. | n.d. | n.d. | n.d. |
| Mercury (Hg) | n.d. | n.d. | n.d. | n.d. | n.d. |
| Barium (Ba) | n.d. | n.d. | n.d. | 28,3 mg/kg | n.d. |
| Selenium (Se) | n.d. | n.d. | n.d. | n.d. | n.d. |
| | Sonuç | Geçti | Geçti | Geçti | Geçti |

Note(s):

n.d. = not detected

* = exceed the limit

< = less than

Detection Limit = Sb: 5 mg/kg, As: 2,5 mg/kg, Ba: 10 mg/kg, Cd: 5 mg/kg, Cr: 5 mg/kg, Pb: 5 mg/kg, Hg: 5 mg/kg, Se: 10 mg/kg

| Requirement by the client= | |
|----------------------------|------------|
| Arsenic (As) | 25 mg/kg |
| Cadmium (Cd) | 75 mg/kg |
| Antimony (Sb) | 60 mg/kg |
| Mercury (Hg) | 60 mg/kg |
| Barium(Ba) | 1000 mg/kg |
| Selenium (Se) | 500 mg/kg |
| Lead(Pb) | 90 mg/kg |
| Chromium(Cr) | 60 mg/kg |

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TEST RAPORU

İş No./Rapor No TR289855 R3

Tarih:9 Ocak 2012

Sayfa 14 of 17

Migration of Certain Elements²

Test Method: WITH REFERENCE TO BS EN 71-3:1995 BS 5665-3:1995 - ANALYSED BY ICP-OES/MS

| Component | 20+21+22 | 23+24+25 | 26+27+28 | 29 |
|------------------|-----------------|-----------------|-----------------|--------------|
| Antimony (Sb) | n.d. | n.d. | n.d. | n.d. |
| Arsenic (As) | n.d. | n.d. | n.d. | n.d. |
| Cadmium (Cd) | n.d. | n.d. | n.d. | n.d. |
| Chromium (Cr) | n.d. | n.d. | n.d. | n.d. |
| Lead (Pb) | n.d. | n.d. | n.d. | n.d. |
| Mercury (Hg) | n.d. | n.d. | n.d. | n.d. |
| Barium (Ba) | 44,3 mg/kg | 12,6 mg/kg | 21,8 mg/kg | 12,1 mg/kg |
| Selenium (Se) | n.d. | n.d. | n.d. | n.d. |
| | Sonuç | Geçti | Geçti | Geçti |

Note(s):

n.d. = not detected

* = exceed the limit

< = less than

Detection Limit = Sb: 5 mg/kg, As: 2,5 mg/kg, Ba: 10 mg/kg, Cd: 5 mg/kg, Cr: 5 mg/kg, Pb: 5 mg/kg, Hg: 5 mg/kg, Se: 10 mg/kg

| Requirement by the client= | |
|-----------------------------------|------------|
| Arsenic (As) | 25 mg/kg |
| Cadmium (Cd) | 75 mg/kg |
| Antimony (Sb) | 60 mg/kg |
| Mercury (Hg) | 60 mg/kg |
| Barium(Ba) | 1000 mg/kg |
| Selenium (Se) | 500 mg/kg |
| Lead(Pb) | 90 mg/kg |
| Chromium(Cr) | 60 mg/kg |

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TEST RAPORU

İş No./Rapor No TR289855 R3

Tarih:9 Ocak 2012

Sayfa 15 of 17

Migration of Certain Elements²

Test Method: WITH REFERENCE TO BS EN 71-3:1995 BS 5665-3:1995 - ANALYSED BY ICP-OES/MS

| Component | 5+6+7 | 8+9+10 |
|------------------|--------------|---------------|
| Antimony (Sb) | n.d. | n.d. |
| Arsenic (As) | n.d. | n.d. |
| Cadmium (Cd) | n.d. | n.d. |
| Chromium (Cr) | n.d. | n.d. |
| Lead (Pb) | n.d. | n.d. |
| Mercury (Hg) | n.d. | n.d. |
| Barium (Ba) | n.d. | n.d. |
| Selenium (Se) | n.d. | n.d. |

Sonuç

Geçti

Geçti

Note(s):

n.d. = not detected

* = exceed the limit

< = less than

Detection Limit = Sb: 5 mg/kg, As: 2,5 mg/kg, Ba: 10 mg/kg, Cd: 5 mg/kg, Cr: 5 mg/kg, Pb: 5 mg/kg, Hg: 5 mg/kg, Se: 10 mg/kg

Requirement by the client=

| | |
|---------------|------------|
| Arsenic (As) | 25 mg/kg |
| Cadmium (Cd) | 75 mg/kg |
| Antimony (Sb) | 60 mg/kg |
| Mercury (Hg) | 60 mg/kg |
| Barium(Ba) | 1000 mg/kg |
| Selenium (Se) | 500 mg/kg |
| Lead(Pb) | 90 mg/kg |
| Chromium(Cr) | 60 mg/kg |

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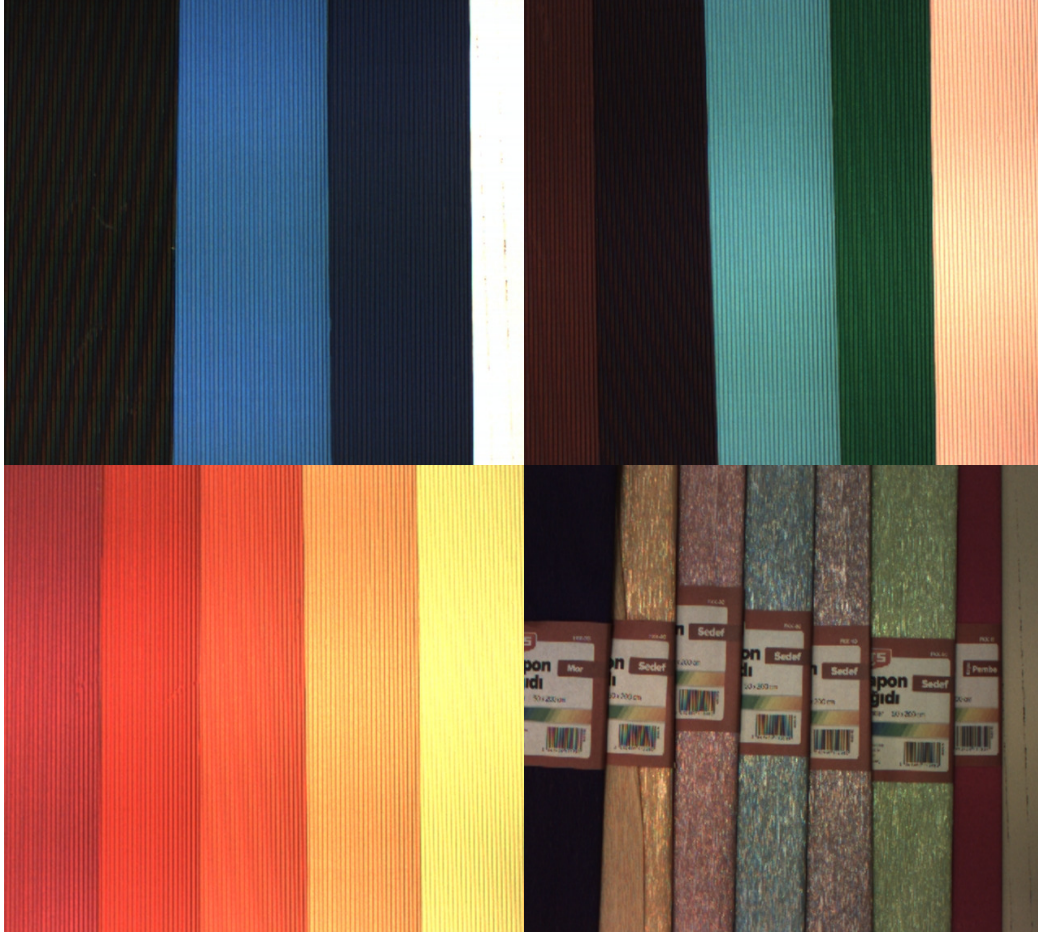
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only."

TEST RAPORU

İş No./Rapor No TR289855 R3

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TEST RAPORU

İş No./Rapor No TR289855 R3

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Sayfa 17 of 17



* * * End of Test Report * *

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