

## Test Report

No. 1879630.1

Date: 24/09/2013

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Eurotex GmbH  
Fehmarnstraße 26  
33729 Bielefeld  
Germany

The following sample(s) was (were) submitted and identified by the client as:

Original Sample ID	Sample Description	Sample Receipt Date
130786592	Fabric grey Article Kaiman #755 2013-101064, 130712Z1	05/09/2013
130786593	Fabric brown Article Kaiman #235 2013-101064, 1300630Z1	05/09/2013
130786594	Fabric aubergine Article Kaiman #41 25.08.2011, 315	05/09/2013



SGS Customer No : 10110981  
 SGS Order No : 2717957  
 Test Report Version : 2  
 Buyer : -  
 Order No. : Order from Mr. Flaming dt. 30/08/2013  
 Country of Origin : -  
 Test Performing Period : 06/09/2013 – 20/09/2013  
 Test Performed : Selected test(s) as requested by applicant  
 Overall Conclusion : **PASS**  
 Tests Results : Please refer to the next pages

***This report is based on Test Report 1879630 dt. 20/09/2013 and amended as per client's specific request.***

Signed for and on behalf of  
SGS Institut Fresenius GmbH

Name i.V. Catherine Bouleau  
 Position Project Manager  
 Consumer Testing Services - Softlines

Name i.A. Sabrina Cottaro  
 Position Project Assistant  
 Consumer Testing Services - Softlines

**Performed Test Summary:**

<b>Chemical Tests</b>	<b>Result</b>					
<b>Components</b>	<b>1+2+3</b>	<b>2</b>	<b>3</b>			
AZO Dyes Synthetic / Mixed Fibres	M					
Dimethyl Fumarate	M					
Phthalates	-	M	M			

**Remarks:**

- M = Meets Client's requirement
- F = Does not meet Client's requirement
- I = Inconclusive
- \* = No specified requirement

**Note:** Conclusions on pass/fail are based on the test result from the actual sampling of the received sample(s).

Conclusions are based on the relevant requirements; measurement uncertainties are not taken into account. Only results above the relevant detection limit are taken into account for the calculation of sums.

Test was conducted on composite of random parts of the item as per client's request and the test result is the overall result.

The composite sampling method is based on the client's special request and is a modification from the testing standard.

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, it is recommended to test on individual basis.

**Component List**

<b>Comp. No</b>	<b>Original Sample ID</b>	<b>Description</b>	<b>Color(s)</b>	<b>Material</b>	<b>Component -ID</b>
1	130786592	Fabric material	grey	Synthetic with PU coating	130786952
2	130786593	Fabric material	brown	Synthetic with PU coating	130786953
3	130786594	Fabric material	aubergine	Synthetic with PU coating	130786954

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### Test Result:

#### AZO Dyes Synthetic / Mixed Fibres

#### Test Method:

DIN EN 14362-1:2012 - Analysis conducted with GC-MS/HPLC-DAD

<u>Component(s)</u>	<u>Result</u>
Method	1+2+3 DIN EN 14362-1:2012
4-Aminobiphenyl (92-67-1)	n.d.
Benzidine (92-87-5)	n.d.
4-Chloro-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 (99-55-8)	n.d.
4-Chloroaniline (106-47-8)	n.d.
2,4-Diaminoanisole (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.
3,3'-Dimethyl-4,4'-diaminodiphenylmethane (838-88-0)	n.d.
6-Methoxy-m-toluidine (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.
2,4-Toluylenediamine (95-80-7)	n.d.
2,4,5-Trimethylaniline (137-17-7)	n.d.
o-Anisidine (90-04-0)	n.d.
4-Aminoazobenzene (60-09-3)	n.d.
2,4-Xylidine (95-68-1)	n.d.
2,6-Xylidine (87-62-7)	n.d.
<b>Conclusion</b>	<b>Pass</b>

#### Note:

n.d. = not detected

Detection Limit = 5 mg/kg

# = Exceeds the relevant requirement of 2/3-composite mix

**Requirement:** < 30 mg/kg

#### Comment:

Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphthylamine (CAS number 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used.

In case polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) and 2,4-toluylen-diamine (TDA, CAS number 95-80-7) are released from the PU component and not from a banned azo colorant.

In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

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### Dimethyl Fumarate

#### Test Method:

In-house method , Analysis was conducted with GC/MS after extraction with toluene

#### Component(s)

#### Result

1+2+3

Method

In-house method

Dimethyl fumarate (624-49-7)

n.d.

#### Conclusion

**Pass**

Note:

n.d. = not detected

Detection Limit = 0.1 mg/kg

# = Exceeds the relevant requirement of 2/3-composite mix

**Requirement:** < 0.1 mg/kg

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### Phthalates

#### Test Method:

In-house method , with use of GC-MSD after extraction with toluene

<u>Component(s)</u>	<u>Result</u> 2	<u>Result</u> 3
Method	In-house method	In-house method
Dibutyl Phthalate (DBP)	n.d.	n.d.
Benzylbutyl Phthalate (BBP)	n.d.	n.d.
Bis-(2-ethylhexyl) Phthalate (DEHP)	220mg/kg	n.d.
Diisononyl Phthalate (DINP)	n.d.	n.d.
Di-n-octyl Phthalate (DNOP)	n.d.	n.d.
Diisodecyl Phthalate (DIDP)	n.d.	n.d.
Diisobutyl Phthalate (DIBP)	n.d.	n.d.
Diisoheptylphthalate (DIHP)	n.d.	n.d.
Dihexylphthalate (DHexP)	n.d.	n.d.
Di(methoxyethyl)phthalate (DMEP)	n.d.	n.d.
Di(C7-C11 alkyl) Phthalates linear + branched (DHNUP <sup>[1]</sup> ) calculated as DUDP	n.d.	n.d.
Di-n-Pentylphthalate (DnPP)	n.d.	n.d.
Di-iso-Pentylphthalate (DiPP)	n.d.	n.d.
n-Pentyl-iso-Pentylphthalate (PiPP)	n.d.	n.d.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	n.d.	n.d.
<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>

#### Note:

n.d. = not detected

Detection Limit: 100 mg/kg

# = Exceeds the relevant requirement of 2 / 3-composite mix

[1] = DHNUP = DHexP+DIHP+DNP+DINP+DUDP

**Client's Requirement:** Sum < 1000 mg/kg

\*\*\* End of Report \*\*\*