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Eco-Passport

No. ZHXA 057283, Testex-Zürich

**for
chemicals, auxiliaries, and dyes**

Company **PolyOne Corporation UK Limited**
Specialty Inks and Polymer Systems
Everite Road
Widnes
GB- Cheshire WA8 8PT, England

Products **EPIC Inks in various colours**

Basis

- Detailed documentation concerning the production of the above named products
- Carrying out of supplementary tests in our laboratories (test report ZHXA 057283.1)
- Manufacturer's declaration of conformity in accordance with EN ISO 17050-1

Suitability The above captioned product/product group can be used for the production of human-ecological optimised textiles. Depending on the application of these products by the textile producer respectively textile finisher a control on the following human-ecological parameters is needed of the corresponding treated textiles: (colour fastness, pH-value and heavy metals)

The results of tests on the certified products or on textiles, which have been treated with these products, demonstrate no detrimental effects to the human-ecological properties of the textiles treated in this way, provided that the products are used in accordance with manufacturer's instructions. The test methods and requirements of the Oeko-Tex Standard 100 were used for the assessment.

Zürich, 29.04.2008

This passport is valid until 30.04.2009



Serge Rolle
Managing Director

Dr. Jean-Pierre Haug
Manager Testing Centre



REGISTERED

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Zurich, 29 April 2008

TEST REPORT NO. ZHXA 057283.1

Page 1 of 13

Test material: 9 non-phthalate textile printing inks with printed fabrics

SUBJECT OF ANALYSIS

This order and the tests are related to your application for certification of your printing inks with the Eco-Passport. According to your order dated 26.10.2007 analysis should be carried out on the samples received on 10.04.2008.

RESULTS OF ANALYSIS

The results of the analysis we have carried out are summarized in the following tables.

SUMMARY

For the evaluation test methods and requirements of the Oeko-Tex Standard 100 have been used.



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In the original ink Epic PF blue copper has been determined.

Moreover, following printed fabric samples do not fulfil the requirements according to Oeko-Tex Standard 100:

CO fabric printed w/ Epic ink blue:
pH VALUE-Aqueous extract

CO fabric printed w/ Epic ink green:
pH VALUE-Aqueous extract

CO fabric printed w/ Epic ink magenta:
pH VALUE-Aqueous extract

CO fabric printed w/ Epic ink red nm:
FASTNESS TO RUBBING-- Dry

CO fabric printed w/ Epic ink yellow nm:
FASTNESS TO SALIVA AND PERSPIRATION

These results show that every printed article produced using the tested inks has to be checked on colour fastness, pH-value and heavy metals when a certificate according to the Oeko-Tex Standard 100 should be issued for the printed articles.

According to the results of the analyses the Eco-Passport ZHXA 057283 can be issued. The period of validity has been extended by another year. Please find the said Eco-Passport enclosed with this test report.

Swiss Textile Testing Institute
TESTEX

Enclosures mentioned

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OVERVIEW

Please refer to overview table and table of result for failed samples.
p: tested and passed; X: tested and failed; d: done; " ": not tested

	Sample No.										
	1	2	3	4	5	6	7	8	9	10	
pH VALUE											X
ISO 3071 (KCI)											
FORMALDEHYDE-ANALYSIS											p
JIS L-1041											
HEAVY METALS											
Total content	p	p	p	p	p	p	p	p	p	p	
PHENOLS (Chlorinated and OPP)											
Öko-Tex Standard 200, 5	p	p	p	p	p	p	p	p	p	p	
AZO-DYESTUFFS											
EN 14362-1 (screening, CO etc.)	p	p	p	p	p	p	p	p	p	p	
CHLORINATED											
BENZENES&TOLUENES											
Oeko-Tex Standard 200, 7			p							p	
FASTNESS TO WATER											
ISO 105/E01											p
FASTNESS TO PERSPIRATION											
ISO 105/E04											p
FASTNESS TO RUBBING											
ISO 105/X12											X
FASTNESS TO SALIVA AND PERSPIRATION											
LMBG 82.10-1 (modified)											p

- No.1: 68889 PFX Epic PF blue ink LN#3798933
- No.2: 19888 PFX Epic PF black ink LN#3827114
- No.3: 78888 PFX Epic PF green ink LN#3827466
- No.4: 48889 PFX Epic PF magentaink LN#3798931
- No.5: 58888 PFX Epic PF violet ink LN#3827465
- No.6: 48881PFXNM Epic red NM LN#3831123
- No.7: 88881PFXNM Epic yellow NM LN#3831122
- No.8: 15888PFX Epic PF silvershim LN#3824208
- No.9: 85570PFX EpicPFultr goldshimme LN#3831124
- No.10: CO fabric printed w/ Epic ink blue

p: tested and passed; X: tested and failed; d: done; " ": not tested

	Sample No.							
	11	12	13	14	15	16	17	18
pH VALUE								
ISO 3071 (KCI)	p	X	X	p	p	p	p	p

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FORMALDEHYDE-ANALYSIS JIS L-1041	p		p	p	p		p		
HEAVY METALS Total content									
PHENOLS (Chlorinated and OPP) Öko-Tex Standard 200, 5									
PHTHALATES Oeko-Tex Standard 200, 8	p			p				p	
FASTNESS TO WATER ISO 105/E01	p	p	p	p	p	p	p	p	
FASTNESS TO PERSPIRATION ISO 105/E04	p	p	p	p	p	p	p	p	
FASTNESS TO RUBBING ISO 105/X12	p	p	p	p	X	p	p	p	
FASTNESS TO SALIVA AND PERSPIRATION LMBG 82.10-1 (modified)	p	p	p	p	p	X	p	p	

- No.11: CO fabric printed w/ Epic ink black
- No.12: CO fabric printed w/ Epic ink green
- No.13: CO fabric printed w/ Epic ink magenta
- No.14: CO fabric printed w/ Epic ink violet
- No.15: CO fabric printed w/ Epic ink red nm
- No.16: CO fabric printed w/ Epic ink yellow nm
- No.17: CO fabric printed w/ Epic ink silver shimmer
- No.18: CO fabric printed w/ Epic ink gold shimmer

TABLE OF RESULTS

	Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink blue	CO fabric printed w/ Epic ink black	CO fabric printed w/ Epic ink green	CO fabric printed w/ Epic ink magenta
pH VALUE ISO 3071 (KCI)					
No. of tests		2	2	2	2
Aqueous extract [pH]	4.0 - 7.5	7.7	7.3	8.4	7.6

	Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink violet	CO fabric printed w/ Epic ink red nm	CO fabric printed w/ Epic ink yellow nm	CO fabric printed w/ Epic ink silvershim
pH VALUE ISO 3071 (KCI)					
No. of tests		2	2	2	2
Aqueous extract [pH]	4.0 - 7.5	7.4	7.5	7.1	6.5

	Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink goldshimme			
pH VALUE ISO 3071 (KCI)					
No. of tests		2			
Aqueous extract [pH]	4.0 - 7.5	6.3			

	Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink blue	CO fabric printed w/ Epic ink black	CO fabric printed w/ Epic ink magenta	CO fabric printed w/ Epic ink violet
FORMALDEHYDE-ANALYSIS JIS L-1041					
No. of tests		1	1	1	1
Avg. free formaldehyde [ppm]	n/d	n/d	n/d	n/d	n/d

	Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink red nm	CO fabric printed w/ Epic ink silvershim		
FORMALDEHYDE-ANALYSIS JIS L-1041					
No. of tests		1	2		
Avg. free formaldehyde [ppm]	n/d	n/d	n/d		

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TABLE OF RESULTS

	Oeko-Tex 100 Product Class I	68889 PFX Epic PF blue ink LN#3798933	19888 PFX Epic PF black ink LN#3827114	78888 PFX Epic PF green ink LN#3827466	48889 PFX Epic PF magentaink LN#3798931
HEAVY METALS					
Total content					
No. of tests		2	2	2	2
Antimony [ppm]		< 0.01	1.43	0.15	0.14
Arsenic [ppm]		< 0.01	< 0.01	< 0.01	< 0.01
Lead [ppm]		< 0.01	< 0.01	< 0.01	< 0.01
Cadmium [ppm]		< 0.01	< 0.01	< 0.01	< 0.01
Chromium total [ppm]		0.60	0.17	0.54	0.44
Cobalt [ppm]		0.10	0.06	0.08	0.03
Copper [ppm]		3170	1.60	938.00	1.69
Nickel [ppm]		< 0.01	< 0.01	< 0.01	< 0.01
Mercury [ppm]		< 0.01	1.11	0.06	0.04
Zinc [ppm]		< 0.01	64.10	0.31	0.66
Tin [ppm]		106.00	126.00	111.00	104.00

	Oeko-Tex 100 Product Class I	58888 PFX Epic PF violet ink LN#3827465	48881PFXNM Epic red NM LN#3831123	88881PFXNM Epic yellow NM LN#3831122	15888PFX Epic PF silvershim LN#3824208
HEAVY METALS					
Total content					
No. of tests		2	2	2	2
Antimony [ppm]		0.30	44.70	0.30	1.06
Arsenic [ppm]		< 0.01	< 0.01	< 0.01	< 0.01
Lead [ppm]		< 0.01	< 0.01	< 0.01	0.15
Cadmium [ppm]		< 0.01	< 0.01	< 0.01	< 0.01
Chromium total [ppm]		0.78	< 0.01	0.44	< 0.01
Cobalt [ppm]		0.07	1.02	0.05	0.03
Copper [ppm]		3.82	3.04	2.94	3.06
Nickel [ppm]		< 0.01	< 0.01	< 0.01	4.44
Mercury [ppm]		0.05	0.06	0.06	0.06
Zinc [ppm]		1.21	2.80	1.88	35.80
Tin [ppm]		111.00	110.00	101.00	104.00

	Oeko-Tex 100 Product Class I	85570PFX EpicPFutr goldshimme LN#3831124
HEAVY METALS		
Total content		
No. of tests		2
Antimony [ppm]		0.14
Arsenic [ppm]		< 0.01
Lead [ppm]		0.16
Cadmium [ppm]		< 0.01
Chromium total [ppm]		< 0.01
Cobalt [ppm]		0.02
Copper [ppm]		3.10
Nickel [ppm]		4.48
Mercury [ppm]		0.05
Zinc [ppm]		43.20
Tin [ppm]		105.00

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TABLE OF RESULTS

Oeko-Tex 100 Product Class I	68889 PFX Epic PF blue ink LN#3798933	19888 PFX Epic PF black ink LN#3827114	78888 PFX Epic PF green ink LN#3827466	48889 PFX Epic PF magentank LN#3798931
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PHENOLS (Chlorinated and OPP) Öko-Tex Standard 200, 5						
No. of tests		1	1	1	1	
Orthophenylphenol (OPP)	[ppm]	< 50.0	< 0.01	< 0.01	< 0.01	0.30
Tetrachlorophenol (TeCP, Sum)	[ppm]	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Pentachlorophenol (PCP)	[ppm]	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01

Oeko-Tex 100 Product Class I	58888 PFX Epic PF violet ink LN#3827465	48881PFXNM Epic red NM LN#3831123	88881PFXNM Epic yellow NM LN#3831122	15888PFX Epic PF silvershim LN#3824208
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PHENOLS (Chlorinated and OPP) Öko-Tex Standard 200, 5						
No. of tests		1	1	1	1	
Orthophenylphenol (OPP)	[ppm]	< 50.0	< 0.01	0.30	< 0.01	< 0.01
Tetrachlorophenol (TeCP, Sum)	[ppm]	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01
Pentachlorophenol (PCP)	[ppm]	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01

Oeko-Tex 100 Product Class I	85570PFX EpicPFultr goldshimme LN#3831124
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PHENOLS (Chlorinated and OPP) Öko-Tex Standard 200, 5					
No. of tests		1			
Orthophenylphenol (OPP)	[ppm]	< 50.0	< 0.01		
Tetrachlorophenol (TeCP, Sum)	[ppm]	< 0.05	< 0.01		
Pentachlorophenol (PCP)	[ppm]	< 0.05	< 0.01		

Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink black	CO fabric printed w/ Epic ink violet	CO fabric printed w/ Epic ink goldshimme
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PHTHALATES Oeko-Tex Standard 200, 8				
No. of tests		1	1	1
DINP	[%]	n/d	n/d	n/d
DNOP	[%]	n/d	n/d	n/d
DEHP	[%]	n/d	n/d	n/d
DIDP	[%]	n/d	n/d	n/d
BBP	[%]	n/d	n/d	n/d
DBP	[%]	n/d	n/d	n/d
Sum	[%]	< 0.1	n/d	n/d

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TABLE OF RESULTS

	Oeko-Tex 100 Product Class I	68889 PFX Epic PF blue ink LN#3798933	19888 PFX Epic PF black ink LN#3827114	78888 PFX Epic PF green ink LN#3827466	48889 PFX Epic PF magenta ink LN#3798931
AZO-DYESTUFFS					
EN 14362-1 (screening, CO etc.)					
No. of tests		1	1	1	1
4-Aminodiphenyl [ppm]		n/d	n/d	n/d	n/d
Benzidine [ppm]		n/d	n/d	n/d	n/d
4-Chloro-o-toluidine [ppm]		n/d	n/d	n/d	n/d
2-Naphthylamine [ppm]		n/d	n/d	n/d	n/d
o-Aminoazotoluene [ppm]		n/d	n/d	n/d	n/d
2-Amino-4-nitrotoluene [ppm]		n/d	n/d	n/d	n/d
p-Chloraniline [ppm]		n/d	n/d	n/d	n/d
2,4-Diaminoanisole [ppm]		n/d	n/d	n/d	n/d
4,4'-Diaminodiphenylmethane [ppm]		n/d	n/d	n/d	n/d
3,3'-Dichlorobenzidine [ppm]		n/d	n/d	n/d	n/d
3,3'-Dimethoxybenzidine [ppm]		n/d	n/d	n/d	n/d
3,3'-Dimethylbenzidine [ppm]		n/d	n/d	n/d	n/d
3,3'-Dimethyl-4,4'-diaminodiphenylmethane [ppm]		n/d	n/d	n/d	n/d
p-Cresidine [ppm]		n/d	n/d	n/d	n/d
4,4'-Methylene-bis-(2-chloraniline) [ppm]		n/d	n/d	n/d	n/d
4,4'-Oxydianiline [ppm]		n/d	n/d	n/d	n/d
4,4'-Thiodianiline [ppm]		n/d	n/d	n/d	n/d
o-Toluidine [ppm]		n/d	n/d	n/d	n/d
2,4-Toluylenediamine [ppm]		n/d	n/d	n/d	n/d
2,4,5-Trimethylaniline [ppm]		n/d	n/d	n/d	n/d
o-Anisidine [ppm]		n/d	n/d	n/d	n/d
2,4-Xylidine [ppm]		n/d	n/d	n/d	n/d
2,6-Xylidine [ppm]		n/d	n/d	n/d	n/d

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TABLE OF RESULTS

	Oeko-Tex 100 Product Class I	58888 PFX Epic PF violet ink LN#3827465	48881PFXNM Epic red NM LN#3831123	88881PFXNM Epic yellow NM LN#3831122	15888PFX Epic PF silvershim LN#3824208
AZO-DYESTUFFS					
EN 14362-1 (screening, CO etc.)					
No. of tests		1	1	1	1
4-Aminodiphenyl [ppm]		n/d	n/d	n/d	n/d
Benzidine [ppm]		n/d	n/d	n/d	n/d
4-Chloro-o-toluidine [ppm]		n/d	n/d	n/d	n/d
2-Naphthylamine [ppm]		n/d	n/d	n/d	n/d
o-Aminoazotoluene [ppm]		n/d	n/d	n/d	n/d
2-Amino-4-nitrotoluene [ppm]		n/d	n/d	n/d	n/d
p-Chloraniline [ppm]		n/d	n/d	n/d	n/d
2,4-Diaminoanisole [ppm]		n/d	n/d	n/d	n/d
4,4'-Diaminodiphenylmethane [ppm]		n/d	n/d	n/d	n/d
3,3'-Dichlorobenzidine [ppm]		n/d	n/d	n/d	n/d
3,3'-Dimethoxybenzidine [ppm]		n/d	n/d	n/d	n/d
3,3'-Dimethylbenzidine [ppm]		n/d	n/d	n/d	n/d
3,3'-Dimethyl-4,4'-diaminodiphenylmethane [ppm]		n/d	n/d	n/d	n/d
p-Cresidine [ppm]		n/d	n/d	n/d	n/d
4,4'-Methylene-bis-(2-chloraniline) [ppm]		n/d	n/d	n/d	n/d
4,4'-Oxydianiline [ppm]		n/d	n/d	n/d	n/d
4,4'-Thiodianiline [ppm]		n/d	n/d	n/d	n/d
o-Toluidine [ppm]		n/d	n/d	n/d	n/d
2,4-Toluylenediamine [ppm]		n/d	n/d	n/d	n/d
2,4,5-Trimethylaniline [ppm]		n/d	n/d	n/d	n/d
o-Anisidine [ppm]		n/d	n/d	n/d	n/d
2,4-Xylidine [ppm]		n/d	n/d	n/d	n/d
2,6-Xylidine [ppm]		n/d	n/d	n/d	n/d

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TABLE OF RESULTS

Oeko-Tex 85570PFX
100 EpicPFultr
Product goldshimme
Class I LN#3831124

AZO-DYESTUFFS					
EN 14362-1 (screening, CO etc.)					
No. of tests			1		
4-Aminodiphenyl	[ppm]		n/d		
Benzidine	[ppm]		n/d		
4-Chloro-o-toluidine	[ppm]		n/d		
2-Naphthylamine	[ppm]		n/d		
o-Aminoazotoluene	[ppm]		n/d		
2-Amino-4-nitrotoluene	[ppm]		n/d		
p-Chloraniline	[ppm]		n/d		
2,4-Diaminoanisole	[ppm]		n/d		
4,4'-Diaminodiphenylmethane	[ppm]		n/d		
3,3'-Dichlorobenzidine	[ppm]		n/d		
3,3'-Dimethoxybenzidine	[ppm]		n/d		
3,3'-Dimethylbenzidine	[ppm]		n/d		
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	[ppm]		n/d		
p-Cresidine	[ppm]		n/d		
4,4'-Methylene-bis-(2-chloraniline)	[ppm]		n/d		
4,4'-Oxydianiline	[ppm]		n/d		
4,4'-Thiodianiline	[ppm]		n/d		
o-Toluidine	[ppm]		n/d		
2,4-Toluylenediamine	[ppm]		n/d		
2,4,5-Trimethylaniline	[ppm]		n/d		
o-Anisidine	[ppm]		n/d		
2,4-Xyidine	[ppm]		n/d		
2,6-Xyidine	[ppm]		n/d		

Oeko-Tex 78888 PFX 85570PFX
100 Epic PF EpicPFultr
Product green ink goldshimme
Class I LN#3827466 LN#3831124

CHLORINATED BENZENES&TOLUENES					
Oeko-Tex Standard 200, 7					
No. of tests			1	1	
2-Chlorotoluene	[ppm]		< 0.01	< 0.01	
3-Chlorotoluene	[ppm]		< 0.01	< 0.01	
4-Chlorotoluene	[ppm]		< 0.01	< 0.01	
1,2-Dichlorobenzene	[ppm]		< 0.01	< 0.01	
1,3-Dichlorobenzene	[ppm]		< 0.01	< 0.01	
1,4-Dichlorobenzene	[ppm]		< 0.01	< 0.01	
2,4-Dichlorotoluene	[ppm]		< 0.01	< 0.01	
2,5-Dichlorotoluene	[ppm]		< 0.01	< 0.01	
2,6-Dichlorotoluene	[ppm]		< 0.01	< 0.01	
2,3-/3,4-Dichlorotoluene	[ppm]		< 0.01	< 0.01	
1,2,3-Trichlorobenzene	[ppm]		< 0.01	< 0.01	
1,2,4-Trichlorobenzene	[ppm]		< 0.01	< 0.01	
Tetrachlorobenzene (1)	[ppm]		< 0.01	< 0.01	
Tetrachlorobenzene (2)	[ppm]		< 0.01	< 0.01	
Pentachlorbenzol	[ppm]		< 0.01	< 0.01	
Hexachlorobenzene	[ppm]		< 0.01	< 0.01	
Sum	[ppm]	< 1.0	< 0.01	< 0.01	

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TABLE OF RESULTS

	Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink blue	CO fabric printed w/ Epic ink black	CO fabric printed w/ Epic ink green	CO fabric printed w/ Epic ink magenta
FASTNESS TO WATER ISO 105/E01					
No. of tests		1	1	1	1
- Change in color [grade]		5	4-5	4-5	4-5
- Staining [grade]	3	4-5	4-5	4-5	4-5

	Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink violet	CO fabric printed w/ Epic ink red nm	CO fabric printed w/ Epic ink yellow nm	CO fabric printed w/ Epic ink silvershim
FASTNESS TO WATER ISO 105/E01					
No. of tests		1	1	1	1
- Change in color [grade]		4-5	4-5	4-5	5
- Staining [grade]	3	4-5	4-5	4	4-5

	Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink goldshimme			
FASTNESS TO WATER ISO 105/E01					
No. of tests		1			
- Change in color [grade]		5			
- Staining [grade]	3	4-5			

	Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink blue	CO fabric printed w/ Epic ink black	CO fabric printed w/ Epic ink green	CO fabric printed w/ Epic ink magenta
FASTNESS TO PERSPIRATION ISO 105/E04					
No. of tests		1	1	1	1
Fastness to acid solution					
- Change in color [grade]		5	4-5	4-5	4-5
- Staining [grade]	3-4	4-5	4-5	4-5	4-5
Fastness to alkaline solution					
- Change in color [grade]		5	4-5	4-5	4-5
- Staining [grade]	3-4	4-5	4-5	4-5	4-5

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TABLE OF RESULTS

	Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink violet	CO fabric printed w/ Epic ink red nm	CO fabric printed w/ Epic ink yellow nm	CO fabric printed w/ Epic ink silvershim
FASTNESS TO PERSPIRATION ISO 105/E04					
No. of tests		1	1	1	1
Fastness to acid solution					
- Change in color [grade]		4-5	4-5	4-5	5
- Staining [grade]	3-4	4-5	4-5	4-5	4-5
Fastness to alkaline solution					
- Change in color [grade]		4-5	4-5	4-5	5
- Staining [grade]	3-4	4-5	4-5	4	4-5

	Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink goldshimme			
FASTNESS TO PERSPIRATION ISO 105/E04					
No. of tests		1			
Fastness to acid solution					
- Change in color [grade]		5			
- Staining [grade]	3-4	4-5			
Fastness to alkaline solution					
- Change in color [grade]		5			
- Staining [grade]	3-4	4-5			

	Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink blue	CO fabric printed w/ Epic ink black	CO fabric printed w/ Epic ink green	CO fabric printed w/ Epic ink magenta
FASTNESS TO RUBBING ISO 105/X12					
No. of tests		1	1	1	1
- Dry crocking test [grade]	4 (3 for pigment)	3-4	3-4	3	3-4
- Wet crocking test [grade]		3-4	3	3	3-4

	Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink violet	CO fabric printed w/ Epic ink red nm	CO fabric printed w/ Epic ink yellow nm	CO fabric printed w/ Epic ink silvershim
FASTNESS TO RUBBING ISO 105/X12					
No. of tests		1	1	1	1
- Dry crocking test [grade]	4 (3 for pigment)	4	2-3	3	4-5
- Wet crocking test [grade]		2-3	2	2	

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TABLE OF RESULTS

		Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink goldshimme			
FASTNESS TO RUBBING ISO 105/X12						
No. of tests			1			
- Dry crocking test	[grade]	4	4			
- Wet crocking test	[grade]		4			
		Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink blue	CO fabric printed w/ Epic ink black	CO fabric printed w/ Epic ink green	CO fabric printed w/ Epic ink magenta
FASTNESS TO SALIVA AND PERSPIRATION LMBG 82.10-1 (modified)						
No. of tests			1	1	1	1
- Fast to saliva	[yes/no]	yes	yes	yes	yes	yes
- Fast to perspiration	[yes/no]	yes	yes	yes	yes	yes
		Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink violet	CO fabric printed w/ Epic ink red nm	CO fabric printed w/ Epic ink yellow nm	CO fabric printed w/ Epic ink silvershim
FASTNESS TO SALIVA AND PERSPIRATION LMBG 82.10-1 (modified)						
No. of tests			1	1	1	1
- Fast to saliva	[yes/no]	yes	yes	yes	yes	yes
- Fast to perspiration	[yes/no]	yes	yes	yes	no	yes
		Oeko-Tex 100 Product Class I	CO fabric printed w/ Epic ink goldshimme			
FASTNESS TO SALIVA AND PERSPIRATION LMBG 82.10-1 (modified)						
No. of tests			1			
- Fast to saliva	[yes/no]	yes	yes			
- Fast to perspiration	[yes/no]	yes	yes			

TESTEX Zürich, 29.04.2008

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