

## TEST REPORT SR 0700/18

**Client:** V Fair Trade Com. e Exportação de Calçados e Acessórios Ltda EPP.

**Address:** 17 de April Street, 270, Campo Bom – RS – Brazil.

### Shoe description and client identification:

- a) One (01) sample of white and grey coloured shoe.  
Style: EA2001 – Esplar Low Leather Extra White.
- b) One (01) sample of white and grey coloured shoe.  
Style: EC2001 – 3 – Lock Leather Extra White.
- c) One (01) sample of white, blue, and red coloured shoe.  
Style: VX021267 – V10 Leather Extra White Nautico Pekin Pierre.
- d) One (01) sample of white, blue and grey coloured shoe.  
Style: VX011380 – V10 B Mesh White Natural Nautico.
- e) One (01) sample of white and red coloured shoe.  
Style: EO021540 – Esplar Low Logo Leather Extra White Dried Petal.
- f) One (01) sample of white and bordeaux coloured shoe.  
Style: WT011225 – Wata Canvas White Marsala.
- g) One (01) sample of white coloured shoe.  
Style: VX021270 – V10 Leather Extra White Extra White Extra White Pierre.
- h) One (01) sample of white and black coloured shoe.  
Style: EO020005 – Esplar Low Logo Leather Extra White Black.
- i) One (01) sample of white and black coloured shoe.  
Style: VX020005 – V10 Leather Extra White Black.
- j) One (01) sample of several colors shoe.  
Style: VX021547 – V10 Leather Multico Nude.

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Inscrição Estadual: 086/0422534

Rua Araxá, 750  
Bairro Ideal  
93334-000  
Novo Hamburgo  
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### Sample identification (groups):

- 1) "Canvas Lining – Pure". Style: a, b, c, d, e, f, g, h, i, j  
"Organic Lona Upper – White". Style: f  
"B – Mesh Upper – White". Style: d
- 2) "Counter Pocket – Natural". Style: c, d, g, i, j  
"Jute Vamp – Natural". Style: j  
"Textile Label Tongue". Style: f
- 3) "Leather Upper / Leather Pull – Extra White". Style: a, b, c, e, g, h, i  
"Leather Vegetal Mat. Upper – Virgin". Style: j  
"Quarter Camurca – Dried Petal". Style: j
- 4) "Camurca Pull / Vista – Natural". Style: a, b, d  
"Leather Pull – Pekin". Style: c  
"Leather Pull – Nautico". Style: d
- 5) "Leather Pull – Dried Petal". Style: e  
"Leather Pull – Black". Style: h, i  
"Nobuck Vegetal Pull – Desert". Style: j
- 6) "Leather Tongue – Beige". Style: j  
"Leather Toe Box – Oxford Grey". Style: j
- 7) "Lace M8077 – Sable". Style: j  
"Lace M8077 – White". Style: a, c, d, e, f, g, h, i  
"Canvas Vies – White". Style: f
- 8) "Rubber V – Dried Petal". Style: e  
"Rubber V – Pierre". Style: j  
"Rubber V – White". Style: g
- 9) "Rubber V – Black". Style: h, i  
"Rubber V – Nautico". Style: c, d  
"Rubber V – Marsala". Style: f
- 10) "Sole / Welt – Pierre". Style: c, d, g, h, j  
"Sole – Natural". Style: a, b, e, i  
"Sole – Neve". Style: f
- 11) "Polymeric Sock – Grey". Style: c, d, f, g, h, j  
"Polymeric Sock – Beige". Style: a, b, e, i  
"Polymeric Welt – Pierre". Style: a, b, e, f, i
- 12) "Close Fastners – White". Style: b

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- 13) "Metallic Eyelet – Foscos". Style: b  
"IL51LA – ABL Eyelet – Foscos". Style: f
- 14) "Counter /Box Toe". Style: c, d, g, h, j
- 15) "Transfer Label Tongue". Style: c,d, g, h, i, j  
"Collar Foam". Style: a, b, c, d, e, g, h, i, j  
"EVA Insole". Style: c, d, g, h, j
- 16) "Silica". Style: a, b, c, d, e, f, g, h, i, j

**Application:** 38154

**Date of entry:** 02/28/2018

**Date of the test:** 02/28 until 04/20/2018.

### TESTS AND RESULTS

#### Determination of dimethylfumarate – DMFU (NCT SR 0005/10)

Sample (groups)	Results (ppm)	Orientation (European Union)	Evaluation
1	< LQ	0,1 ppm	PASS
2	< LQ		PASS
3	< LQ		PASS
4	< LQ		PASS
5	< LQ		PASS
6	< LQ		PASS
7	< LQ		PASS
8	< LQ		PASS
9	< LQ		PASS
10	< LQ		PASS
11	< LQ		PASS
12	< LQ		PASS
14	< LQ		PASS
15	< LQ		PASS
16	< LQ		PASS

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## TEST REPORT SR 0700/18

### Migration of certain elements (EN 71-3/13)

Sample	Results (ppm)	Orientation (BS EN 71-3/13 Category III) Maximum	Evaluation
1	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS
2	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS
3	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS
4	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS
5	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS
6	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS
7	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS
8	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS
9	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS
10	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS
11	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS

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### Migration of certain elements (EN 71-3/13)

Sample	Results (ppm)	Orientation (BS EN 71-3/13 Category III) Maximum	Evaluation
12	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS
13	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS
14	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS
15	Arsenic (As)	< LQ 47	PASS
	Cadmium (Cd)	< LQ 17	PASS
	Lead (Pb)	< LQ 160	PASS

### Determination of total lead in non-metal products (CPSC-CH-E1002/08.3)\*

Sample	Results (ppm)	Orientation (USA – 16 CRF 1303/2016)	Evaluation
1	< LQ	Maximum: 100 ppm	PASS
2	< LQ		PASS
3	< LQ		PASS
4	< LQ		PASS
5	< LQ		PASS
6	< LQ		PASS
7	< LQ		PASS
8	< LQ		PASS
9	< LQ		PASS
10	< LQ		PASS
11	< LQ		PASS
12	< LQ		PASS
14	< LQ		PASS
15	< LQ		PASS

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### Determination of certain aromatic amines derived from azo colorants (ISO 17234-1/15)

Sample	Results (ppm)	Orientation (European Union)	Evaluation
3	< LQ	Maximum: 30 ppm (per amine)	PASS
4	< LQ		PASS
5	< LQ		PASS
6	< LQ		PASS

### Determination of certain aromatic amines derived from azo colorants with and without extraction (BS EN ISO 14362-1/17)

Sample	Results (ppm)	Orientation (European Union)	Evaluation
1	< LQ	Maximum: 30 ppm	PASS
2	< LQ		PASS
7	< LQ		PASS

**Amines analyzed:** Azo dyes can release by cleavage of their azo group, one or more of the amines listed: 2,6-Dimethylaniline, 2-Methylaniline, 4-Chloroaniline, 2-Methoxy-5-Methylaniline, 2,4,5-Trimethylaniline, 4-Chloro-2-Methylaniline, 2,4-Diaminotoluene, 2,4-Diaminoanisole, 2-Naphthylamine, 2-Methyl-5-Nitroaniline, 4-Aminobiphenyl, 4-Aminoazobenzene, 4,4'-Oxydianiline, 4,4'-Diaminobiphenyl, 4,4'-Diaminodiphenylmethane, 4'-Amino-2,3'-Dimethylazobenzene, 4,4'-Methylene-bis(2-methylaniline), 3,3'-Dimethylbenzidine (o-Tolidine), 4,4'-Thiodianiline, 3,3'-Dichlorobenzidine, o-Dianisidine, 4,4'-Methylene bis(2-chloroaniline), o-Anisidine, 2,4-Dimethylaniline.

### Chemical determination of formaldehyde content – Part 1: Method using HPLC (ISO 17226-1/08)

Sample	Results (ppm)	Orientation (European Union)	Evaluation
3	< LQ	Products in direct contact with skin: 75 ppm Direct contact with skin: 300 ppm	PASS
4	25.3		PASS
5	15.5		PASS
6	18.4		PASS

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### Determination of total lead in metal products (CPSC-CH-E1001/08.3)\*

Sample	Results (ppm)	Orientation (USA – 16 CRF 1303/2016)	Evaluation
13	24.87	Maximum: 100 ppm	PASS

### Determination of the preservative by liquid chromatography (ISO 13365/11)

Sample	Results (ppm)	Orientation (EU – Diretiva 99/51/CE)	Evaluation
3	OPP: 10.1	Maximum: Older than 3 years: 100 ppm	PASS
4	OPP: 49.0		PASS
5	OPP: 10.0		PASS
6	OPP: 10.1		PASS

### Determination of trichlorophenol and pentachlorophenol content (ISO 17070/15)

Sample	Results (ppm)	Orientation (European Union)	Evaluation
3	< LQ	Maximum: $\Sigma$ 0,5 ppm	PASS
4	< LQ		PASS
5	< LQ		PASS
6	< LQ		PASS

**Phenol analyzed:** 2,3,4-trichlorophenol, 2,3,5-trichlorophenol, 2,3,6-trichlorophenol, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 3,4,5-trichlorophenol, Pentachlorophenol.

### Determination of chromium (VI) content (ISO 17075-1/17)

Sample	Results (ppm)	Orientation (European Union)	Evaluation
3 – Leather Extra White	< LQ	Maximum: 3 ppm	PASS
3 - Leather Virgin	< LQ		PASS
3 – Leather Dried Petal	< LQ		PASS
4	< LQ		PASS
5	< LQ		PASS
6	< LQ		PASS

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### Textile – Determination of formaldehyde (ISO 14184-1/11)

Sample	Results (ppm)	Orientation (European Union)	Evaluation
1	< LQ	Products in direct contact with skin: 75 ppm Direct contact with skin: 300 ppm	PASS
2	< LQ		PASS
7	< LQ		PASS

### Determination of nitrosamines (GB/T 24153/2009)<sup>1</sup>

Sample	Results (ppm)	Orientation (AFIRM RSL 2018)	Evaluation
8	< LQ	Maximum: 0.5 ppm each	PASS
9	< LQ		PASS
10	< LQ		PASS
11	< LQ		PASS
12	< LQ		PASS
14	< LQ		PASS
15	< LQ		PASS

### Determination of Bisphenol A (BPA) (US EPA 3550C: 2007 & ISO 18857 – 2: 2009)<sup>1</sup>

Sample	Results (ppm)	Orientation (AFIRM RSL 2018)	Evaluation
8	< LQ	Maximum: 1 ppm	PASS
9	< LQ		PASS
10	< LQ		PASS
11	< LQ		PASS
12	< LQ		PASS
14	< LQ		PASS
15	< LQ		PASS

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### Determination of VOCs (DIN CEN ISO/TS 16189:2013)<sup>1</sup>

Sample	Results (ppm)	Orientation (AFIRM RSL 2018)	Evaluation
1	< LQ	Maximum Benzene: 5 ppm Sum: 1000 ppm	PASS
2	< LQ		PASS
3	< LQ		PASS
4	< LQ		PASS
5	< LQ		PASS
6	< LQ		PASS
7	< LQ		PASS
8	< LQ		PASS
9	< LQ		PASS
10	< LQ		PASS
11	< LQ		PASS
12	< LQ		PASS
14	< LQ		PASS
15	< LQ		PASS

### Determination of disperse dyes (DIN 54231:2005)<sup>1</sup>

Sample	Results (ppm)	Orientation (European Union)	Evaluation
1	< LQ	Maximum: 5 ppm	PASS
2	< LQ		PASS
7	< LQ		PASS

### Determination of phthalate content (CPSC-CH-C 1001-09.3/2010)\*

Sample	Results (%)	Orientation (according CPSC 1001)	Evaluation
8	< LQ	Maximum: 0,1% (1000 ppm)	PASS
9	< LQ		PASS

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### Determination of phthalate content (CPSC-CH-C 1001-09.3/2010)\*

Sample	Results (%)	Orientation (according CPSC 1001)	Evaluation
10	< LQ	Maximum: 0,1% (1000 ppm)	PASS
11	< LQ		PASS
12	< LQ		PASS
14	< LQ		PASS
15	< LQ		PASS

### Determination of organotin compounds (SATRA TM 277/11)

Sample	Results (ppm)	Orientation (Directive 76/769/CE)	Evaluation
1	< LQ	Maximum: 0,1% (1000 ppm)	PASS
2	< LQ		PASS
3	< LQ		PASS
4	< LQ		PASS
5	< LQ		PASS
6	< LQ		PASS
7	< LQ		PASS
8	< LQ		PASS
9	< LQ		PASS
10	< LQ		PASS
11	< LQ		PASS
12	< LQ		PASS
14	< LQ		PASS
15	< LQ		PASS

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Quantification Limit – LQ		
<b>- Formaldehyde (Leather):</b> 1.18811 ppm <b>- Formaldehyde (Textile):</b> 16.4 ppm <b>- Dimethylfumarate:</b> 0.08 ppm <b>- Azo Dyes:</b> 30 ppm per amine <b>- Phthalates (%):</b> Dimethyl phthalate (DMP): 0.0002      Di-n-hexyl phthalate (DNHP): 0.0002      Dibutyl phthalate (DBP): 0.0002 Diethyl phthalate (DEP): 0.0002      Benzyl butyl phthalate (BBP): 0.0002      Diisononyl phthalate (DINP): 0.0004 Diisobutyl phthalate (DIBP): 0.0002      Diisoheptyl phthalate (DIHP): 0.0002      Di-n-octyl phthalate (DNOP): 0.0002 Diisodecyl phthalate (DIDP): 0.0004      Di-(2-ethyl-hexyl) phthalate (DEHP): 0.0002 <b>- Metals (ppm):</b> Lead (Pb): 0.13082      Cadmium (Cd): 0.02597      Arsenic (As): 0.00213 <b>- Disperse Dyes</b> <b>a) Carcinogenic 2 ppm:</b> Acid Red 26      Disperse Blue 1 Basic Red 9      Disperse Yellow 3 Basic Violet 14      Disperse Orange 11 Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo]4-yl]azo]-5-hydroxy -6- (phenylazo)naphthalene-2,7-di sulphonate(C.I. Direct Black 38) Disodium 3,3'-[[1,1'-biphenyl]- 4,4'-diylbis(azo)]bis(4-aminon aphenalene-1-sulphonate) (C.I. Direct Red 28) Disodium 3,3'-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl]met hylene]cyclohexa-2,5- dien-1-yl idene] dimethylammonium chloride(C.I. Basic Blue 26) Direct Blue 6 <b>b) Allergenic 1 ppm:</b> Disperse Blue 1      Disperse Yellow 1 Disperse Blue 3      Disperse Yellow 3 Disperse Blue 7      Disperse Yellow 9 Disperse Blue 26      Disperse Yellow 39 Disperse Blue 35      Disperse Yellow 49 Disperse Blue 102      Disperse Orange 1 Disperse Blue 102      Disperse Orange 3 Disperse Blue 124      Disperse Orange 37/76 Disperse Red 1      Disperse Brown 1 Disperse Red 11      Disperse Orange 149 Disperse Red 17      Disperse Yellow 23 <b>- Phenols:</b> 0.005 ppm per phenol <b>- Preservatives (ppm):</b> 2-phenylphenol (OPP): 0.37409 <b>- Organotin:</b> n-butyltin (MBT): 0.1 ppm      Monoctyltin (MOT): 0.1 ppm tributyltin (TBT): 0.1 ppm      Di-n-octyltin (DOT): 0.1 ppm Dibutyltin (DBT): 0.1 ppm      Triphenyltin (TPT or TPhT): 0.1 ppm Tetrabutyltin (TeBT): 0.1 ppm <b>-Nitrosamines 0.5 ppm:</b> N-nitrosodimethylamine (NDMA)      N-nitrosomorpholine (NMOR) N-nitrosodiethylamine (NDEA)      N-nitroso N-methyl N-phenylamine (NMPH)		

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### -Nitrosamines 0.5 ppm:

N-nitrosodipropylamine (NDPA)

N-nitrosodibutylamine (NDBA)

N-nitrosopiperidine (NPIP)

N-nitrosopyrrolidine (NPYR)

- **Bisphenol A:** 0,1 ppm

### - Volatile organic compounds (VOC) (ppm):

Benzene: 1

Toluene: 10

o-Xylene: 10

m-Xylene: 10

p-Xylene: 10

Trichloromethane: 10

Carbon Tetrachloride: 10

1,1,1-trichloroethane: 10

1,1,2-Trichloroethane: 10

N-nitroso-N-ethyl-N-phenylamine (NEPhA)

N-nitrosomethyl-ethylamine

N-nitrosodiphenylamine

N-nitrosodibenzylamine (NDBzA)

1,1,1,2-Tetrachloroethane: 10

1,1,2,2-Tetrachloroethane: 10

1,1-Dichloroethylene: 10

Trichloroethylene: 10

Tetrachloroethylene: 10

Pentachloroethane: 10

N,N-dimethylacetamide: 10

1,2-Dichloroethane: 10

### <sup>1</sup>This test has been outsourced:

**Enterprise:** Centre Testing International Group Co., Ltd.

**Address:** Liuxian 3<sup>rd</sup> Road, Xin'an Street, Bao'an District, Shenzhen, P.R. China.

**Document:** A2180033985106, A2180033985107, A2180033985111, A2180033985112, A2180033985109, A2180033985110, A2180033985108, A2180033985117, A2180033985113, A2180033985115, A2180033985116, A2180033985119, A2180033985118, A2180033985114

**Date:** 03/22 a 03/27/2018

### Considerations:

ppm (parts per million) = mg/kg

Sampling was carried by client.

At the customer's request, the samples were taken from the footwear and grouped. In case of a positive result, IBTeC recommends testing each separate sample.

With no further information for the time being, we now issue the present report.

This report integrates the sheet of signatures attached.

Novo Hamburgo, April 23, 2018.

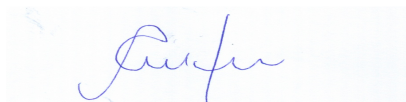
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## TEST REPORT SR 0700/18



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