

## TEST REPORT SR 2726/18

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

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

### Shoe description and client identification:

- a) One (01) sample of white, blue and red coloured shoe.  
Style: VX021267 – V10 Leather Extra White Nautico Pekin.
- b) One (01) sample of white and black coloured shoe.  
Style: VX020005 – V10 Leather Extra White Black.
- c) One (01) sample of white coloured shoe.  
Style: EA2001 – Esplar Low Leather Extra White.
- d) One (01) sample of white and black coloured shoe.  
Style: EO020005 – Esplar Low Logo Leather Extra White Black.
- e) One (01) sample of white coloured shoe.  
Style: EC2001 – 3 – Lock Leather Extra White.



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CNPJ 87.190.161/0001-73  
Inscrição Estadual: 086/0422534

Rua Araxá, 750  
Bairro Ideal  
93334-000  
Novo Hamburgo  
Rio Grande do Sul, Brasil

## TEST REPORT SR 2726/18

### Sample identification (groups):

- 1) "Leather Upper – Napa Semi Analina Extra White". Style: a, b, c, d, e  
"Leather Pull – Camurça Ecologic Natural". Style: c, e
- 2) "Leather Pull – Napa Semi Anelina Pekin". Style: a  
"Leather Pull – Napa semi Anelina Black". Style: b, d
- 3) "Lining Organic canvas 0459 Color: Pure. Style: a, b, c, d, e  
"Counter pocket Nobuck Plus Crú. Style: a, b
- 4) "Non-textile SPL 220". Style: a, b, c, d, e  
"Lace M8077 White". Style: a, b, c, d
- 5) "Rubber V – Náutico". Style: a  
"Rubber V – Black". Style: b, d  
"Rubber Counter". Style: c, d, e
- 6) "Insole PU". Style: a, b  
"Insole Rubber". Style: c, d, e  
"Insole EVA Black". Style: a, b
- 7) "Sole Neve". Style: c, d, e  
"Sole Pierre". Style: a, b  
"Welt Pierre". Style: c, d, e
- 8) "Close Fasteners White". Style: e
- 9) "Foam PU". Style: a, b, c, d, e  
"Transfer Label Tongue". Style: a, b, c, d, e
- 10) "Metallic Eyelet Oval Fosco". Style: e
- 11) "Counter Multi Fort 222". Style: a, b  
"Box Toe Termofort 51". Style: a, b  
"Box Toe E8194 – 1A". Style: c, d, e
- 12) "Silica Gel". Style: a, b, c, d, e

**Application:** 40818; 41423

**Date of entry:** 08/30/2018; 10/15/2018.

**Date of the test:** 09/03 until 10/26/2018.

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### 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
11	< LQ		PASS
12	< LQ		PASS

#### 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

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## TEST REPORT SR 2726/18

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

Sample	Results (ppm)	Orientation (BS EN 71-3/13 Category III) Maximum	Evaluation
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

### 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
3	< LQ	Maximum: 30 ppm	PASS
4	< 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.

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### 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
11	< LQ		PASS

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

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

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

Sample	Results (ppm)	Orientation (European Union)	Evaluation
1	18.5	Products in direct contact with skin: 75 ppm	PASS
2	< LQ	Direct contact with skin: 300 ppm	PASS

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

Sample	Results (ppm)	Orientation (USA – 16 CRF 1303/2016)	Evaluation
10	45.21	Maximum: 100 ppm	PASS

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

Sample	Results (ppm)	Orientation (EU – Diretiva 99/51/CE)	Evaluation
1	OPP: 56.8	Maximum:	PASS
2 Pekin	OPP: 8.0	Older than 3 years: 100 ppm	PASS
2 Black	OPP: < LQ		PASS

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

Sample	Results (ppm)	Orientation (European Union)	Evaluation
1	< LQ	Maximum: $\Sigma$ 0,5 ppm	PASS
2	< 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
1	< LQ	Maximum: 3 ppm	PASS
2	< LQ		PASS

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

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

### Determination of organotin compounds (ISO/TS 16179:2012)<sup>1</sup>

Sample	Results (ppm)	Orientation (Directive 76/769/CE)	Evaluation
9	MBT: 4.36 DBT: 1.49 Outros: < LQ	Maximum: 0,1% (1000 ppm)	PASS

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

Sample	Results (ppm)	Orientation (AFIRM RSL 2018)	Evaluation
5	< LQ	Maximum: 0.5 ppm each	PASS
6	< LQ		PASS
7	< LQ		PASS
8	< LQ		PASS
9	< LQ		PASS
11	< 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
5	< LQ	Maximum: 1 ppm	PASS
6	< LQ		PASS
7	< LQ		PASS
8	< LQ		PASS
9	< LQ		PASS
11	< LQ		PASS

### 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
11	< LQ		PASS

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

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

### Determination of phthalate content (CPSC-CH-C 1001-09.3/2018)

Sample	Results (%)	Orientation (according CPSC 1001)	Evaluation
5	< LQ	Maximum: 0,1% (1000 ppm)	PASS
6	< LQ		PASS
7	< LQ		PASS
8	< LQ		PASS
9	< LQ		PASS
11	< 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
11	< LQ		PASS

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## TEST REPORT SR 2726/18

### Quantification Limit – LQ

<b>- Formaldehyde (Leather):</b> 1.29090 ppm <b>- Formaldehyde (Textile):</b> 16.4 ppm <b>- Dimethylfumarate:</b> 0.08 ppm <b>- Chromium VI:</b> 3.00 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)      [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)      [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene] cyclohexa-2,5-dien-1-ylidene] 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 106      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> 0.05 ppm per phenol <b>- Preservatives (ppm):</b> 2-phenylphenol (OPP): 0.37409		
<b>- Organotin:</b> n-butyltin (MBT): 0.1 ppm      Mono-octyltin (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 Tetra-butyltin (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 (NMPhA)		

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Quantification Limit – LQ	
<b>-Nitrosamines 0.5 ppm:</b>	
N-nitrosodipropylamine (NDPA)	N-nitroso-N-ethyl-N-phenylamine (NEPhA)
N-nitrosodibutylamine (NDBA)	N-nitrosomethyl-ethylamine
N-nitrosopiperidine (NPIP)	N-nitrosodiphenylamine
N-nitrosopyrrolidine (NPYR)	N-nitrosodibenzylamine (NDBzA)
<b>- Bisphenol A: 0,1 ppm</b>	
<b>- Volatile organic compounds (VOC) (ppm):</b>	
Benzene: 1	1,1,1,2-Tetrachloroethane: 10
Toluene: 10	1,1,2,2-Tetrachloroethane: 10
o-Xylene: 10	1,1-Dichloroethylene: 10
m-Xylene: 10	Trichloroethylene: 10
p-Xylene: 10	Tetrachloroethylene: 10
Trichloromethane:10	Pentachloroethane: 10
Carbon Tetrachloride:10	N,N-dimethylacetamide: 10
1,1,1-trichloroethane: 10	1,2-Dichloroethane: 10
1,1,2-Trichloroethane: 10	Etylbenzene:10
Cyclohexanone: 20	Carbon Disulfide: 20

### <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:** A2180152683137, A2180152683136, A2180152683134,  
A2180152683135, A2180152683140, A2180152683141, A2180152683138,  
A2180152683142, A2180152683148, A2180152683139, A2180152683175,  
A2180152683176

**Date:** 09/14 a 10/26/2018

### Considerations:

ppm (parts per million) = mg/kg

Sampling was carried by client.

\* This test is accredited by CPSC.

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.

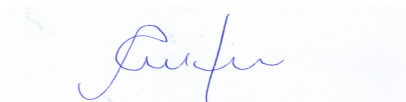
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## TEST REPORT SR 2726/18



Technical Analyst  
Adriana Maria Federhen Specht - Chemical technician  
CRQ 05405251 - 5ª Region



Technical Analyst  
Aline Luana Ghiggi - Chemical technician  
CRQ 05409348 - 5ª Region



Technical Analyst  
Jaqueline Roese - Chemical technician  
CRQ 05409456 - 5ª Region



Test Supervisor  
Janiela Cristina Klein Gamarra - Industrial Chemist  
CRQ 05203543 - 5ª Region

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## 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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CNPJ 87.190.161/0001-73  
Inscrição Estadual: 086/0422534

Rua Araxá, 750  
Bairro Ideal  
93334-000  
Novo Hamburgo  
Rio Grande do Sul, Brasil

## TEST REPORT SR 0700/18

### 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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## TEST REPORT SR 0700/18

- 13) "Metallic Eyelet – Foscós". Style: b  
"IL51LA – ABL Eyelet – Foscós". 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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## 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
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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## TEST REPORT SR 0700/18

### 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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## TEST REPORT SR 0700/18

### 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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## TEST REPORT SR 0700/18

### 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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## TEST REPORT SR 0700/18

### 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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## TEST REPORT SR 0700/18

### 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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## TEST REPORT SR 0700/18

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 aphthalene-1-sulphonate) (C.I. Direct Red 28) Disperse Blue 6 Disperse Blue 1 Disperse Blue 3 Disperse Blue 7 Disperse Blue 26 Disperse Blue 35 Disperse Blue 102 Disperse Blue 102 Disperse Blue 124 Disperse Red 1 Disperse Red 11 Disperse Red 17 <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      Mono-octyltin (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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## TEST REPORT SR 0700/18

**-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.

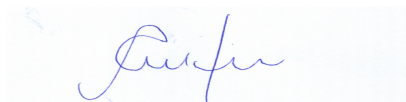
Novo Hamburgo, April 23, 2018.

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## TEST REPORT SR 0700/18



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Technical Analyst  
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Technical Analyst  
Michele Caroline Ferreira da Silva - Chemical technician  
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Test Supervisor  
Janiela Cristina Klein Gamarra - Industrial Chemist  
CRQ 05203543 - 5ª Region

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