

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.



N.B. – The results presented in the document are valid only to the tested samples and may not be reproduced without prior authorization. Authorization will only be given for the total reproduction of the document.

Phone +55 51 3553.1000
Fax +55 51 3553.1001
www.ibtec.org.br
laboratorio@ibtec.org.br
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.

N.B. – The results presented in the document are valid only to the tested samples and may not be reproduced without prior authorization. Authorization will only be given for the total reproduction of the document.

Phone +55 51 3553.1000
Fax +55 51 3553.1001
www.ibtec.org.br
laboratorio@ibtec.org.br
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

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

N.B. – The results presented in the document are valid only to the tested samples and may not be reproduced without prior authorization. Authorization will only be given for the total reproduction of the document.

Phone +55 51 3553.1000
Fax +55 51 3553.1001
www.ibtec.org.br
laboratorio@ibtec.org.br
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

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.

N.B. – The results presented in the document are valid only to the tested samples and may not be reproduced without prior authorization. Authorization will only be given for the total reproduction of the document.

Phone +55 51 3553.1000
Fax +55 51 3553.1001
www.ibtec.org.br
laboratorio@ibtec.org.br
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

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

N.B. – The results presented in the document are valid only to the tested samples and may not be reproduced without prior authorization. Authorization will only be given for the total reproduction of the document.

Phone +55 51 3553.1000
Fax +55 51 3553.1001
www.ibtec.org.br
laboratorio@ibtec.org.br
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

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: Σ 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)¹

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

N.B. – The results presented in the document are valid only to the tested samples and may not be reproduced without prior authorization. Authorization will only be given for the total reproduction of the document.

Phone +55 51 3553.1000
Fax +55 51 3553.1001
www.ibtec.org.br
laboratorio@ibtec.org.br
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

Determination of nitrosamines (GB/T 24153/2009)¹

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)¹

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)¹

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

N.B. – The results presented in the document are valid only to the tested samples and may not be reproduced without prior authorization. Authorization will only be given for the total reproduction of the document.

Phone +55 51 3553.1000
Fax +55 51 3553.1001
www.ibtec.org.br
laboratorio@ibtec.org.br
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

Determination of disperse dyes (DIN 54231:2005)¹

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

N.B. – The results presented in the document are valid only to the tested samples and may not be reproduced without prior authorization. Authorization will only be given for the total reproduction of the document.

Phone +55 51 3553.1000
Fax +55 51 3553.1001
www.ibtec.org.br
laboratorio@ibtec.org.br
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

Quantification Limit – LQ

- Formaldehyde (Leather): 1.29090 ppm - Formaldehyde (Textile): 16.4 ppm - Dimethylfumarate: 0.08 ppm - Chromium VI: 3.00 ppm - Azo Dyes: 30 ppm per amine - Phthalates (%): 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		
- Metals (ppm): Lead (Pb): 0.13082 Cadmium (Cd): 0.02597 Arsenic (As): 0.00213		
- Disperse Dyes a) Carcinogenic 2 ppm: 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) Allergenic 1 ppm: 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		
- Phenols: 0.05 ppm per phenol - Preservatives (ppm): 2-phenylphenol (OPP): 0.37409		
- Organotin: 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		
- Nitrosamines 0.5 ppm: N-nitrosodimethylamine (NDMA) N-nitrosomorpholine (NMOR) N-nitrosodiethylamine (NDEA) N-nitroso N-methyl N-phenylamine (NMPhA)		

N.B. – The results presented in the document are valid only to the tested samples and may not be reproduced without prior authorization. Authorization will only be given for the total reproduction of the document.

Phone +55 51 3553.1000
Fax +55 51 3553.1001
www.ibtec.org.br
laboratorio@ibtec.org.br
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

Quantification Limit – LQ	
-Nitrosamines 0.5 ppm:	
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)
- Bisphenol A: 0,1 ppm	
- Volatile organic compounds (VOC) (ppm):	
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

¹This test has been outsourced:

Enterprise: Centre Testing International Group Co., Ltd.

Address: Liuxian 3rd 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.

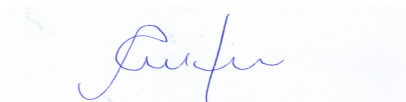
Novo Hamburgo, October 30, 2018.

N.B. – The results presented in the document are valid only to the tested samples and may not be reproduced without prior authorization. Authorization will only be given for the total reproduction of the document.

Phone +55 51 3553.1000
Fax +55 51 3553.1001
www.ibtec.org.br
laboratorio@ibtec.org.br
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



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

The acceptance of this report is conditioned to your weblink authenticity
http://www.ibtec.org.br/areacliente/laudo/396142831102018_ibtec_-_Assinado.pdf

The digital signature: This report receives the digital signature with digital certification according with the ICP-Brazilian norms - Brazilian public Keys Infrastructure, instituted by provisional measure number 2200-2 de 24/08/2001. The graphic signature at the side has historic value. The valid signature is added to the pdf file. When viewing the file, search by icon at forward of pdf tools toolbar.



N.B. – The results presented in the document are valid only to the tested samples and may not be reproduced without prior authorization. Authorization will only be given for the total reproduction of the document.

Phone +55 51 3553.1000
Fax +55 51 3553.1001
www.ibtec.org.br
laboratorio@ibtec.org.br
CNPJ 87.190.161/0001-73
Inscrição Estadual: 086/0422534

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