

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		PASS
2	< LQ		PASS
3	< LQ		PASS
4	< LQ		PASS
5	< LQ		PASS
6	< LQ	0,1 ppm	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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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: 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

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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

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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

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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] dimethylammoniumchloride(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	Monooctyltin (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		
-Nitrosamines 0.5 ppm:		
N-nitrosodimethylamine (NDMA)	N-nitrosomorpholine (NMOR)	
N-nitrosodiethylamine (NDEA)	N-nitroso N-methyl N-phenylamine (NMPHA)	

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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.

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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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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		PASS
2	< LQ		PASS
3	< LQ		PASS
4	< LQ		PASS
5	< LQ		PASS
6	< LQ		PASS
7	< LQ		PASS
8	< LQ	0,1 ppm	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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Migration of certain elements (EN 71-3/13)

Sample	Results (ppm)	Orientation		Evaluation
		(BS EN 71-3/13 Category III)	Maximum	
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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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		PASS
4	25.3	Products in direct contact with skin: 75 ppm	PASS
5	15.5	Direct contact with skin: 300 ppm	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: Σ 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	PASS
2	< LQ		PASS
7	< LQ	Direct contact with skin: 300 ppm	PASS

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

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)¹

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)¹

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

Sample	Results (ppm)	Orientation (European Union)	Evaluation
1	< LQ		PASS
2	< LQ	Maximum: 5 ppm	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%	PASS
9	< LQ	(1000 ppm)	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		
- Formaldehyde (Leather): 1.18811 ppm		
- Formaldehyde (Textile): 16.4 ppm		
- Dimethylfumarate: 0.08 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-diaminop henyl)azo]4-yl]azo]-5-hydroxy	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-	
-6-	2,5	
(phenylazo)naphthalene-2,7-di sulphonate(C.I. Direct Black	-dien-1-ylidene] dimethylammonium chloride(C.I. Basic	
38)	Violet 3)	
Disodium 3,3'-[[1,1'-biphenyl]- 4,4'-diylbis(azo)]bis(4-aminon	[4-[[4-anilino-1-naphthyl]	
aphthalene-1-sulphonate) (C.I.	[4-(dimethylamino)phenyl]met hylene]cyclohexa-2,5-	
Direct Red 28)	dien-1-yl idene] dimethylammonium	
	chloride(C.I. Basic Blue 26)	
Direct Blue 6		
b) Allergenus 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 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	
- Phenols: 0.005 ppm per phenol		
- Preservatives (ppm):		
2-phenylphenol (OPP): 0.37409		
- Organotin:		
n-butyltin (MBT): 0.1 ppm	Monooctyltin (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		
- Nitrosamines 0.5 ppm:		
N-nitrosodimethylamine (NDMA)	N-nitrosomorpholine (NMOR)	
N-nitrosodiethylamine (NDEA)	N-nitroso N-methyl N-phenylamine (NMPH _A)	

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-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	

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: 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



Technical Analyst
Adriana Maria Federhen Specht - Chemical technician
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