TEST REPORT SR 2085/20

Client: V Fair Trade Com. e Exportação de Calçados e Acessórios Ltda EPP.
Address: 270, 17 de April Street, Campo Bom – RS – Brazil.

Shoe description and client identification:

a) One (01) sample of white and metallic rose coloured shoe.
Style: Esplar Velcro ChromeFree Leather Extra White Petale Venus (RSV052277).

b) One (01) sample of white, grey and red coloured shoe.
Style: V-10 Velcro CWL White Marsala (CXV072415).

Sample identification (groups):

1) 1.1 “Leather Chrome Free Extra White”. Style: a
1.2 “Leather Chrome Free Metalized Venus”. Style: a
1.3 “Leather Chrome Free Metalized Nacre”. Style: a

2) 2.1 “Cotton Canvas – 0459”. Style: a, b
2.2 “Jersey Alpo Pure”. Style : a, b
2.3 “Cotton Fabric – VCX 43P”. Style : a, b

3) “Insole – Palmisoft SPL 220 R”. Style: a, b

4) “Vegan Suede – Nobuck Plus SU18 Natural”. Style: b

5) “Grosgrain – PH0258 White”. Style: b

6) 6.1 “Rubber V – Petale”. Style: a
6.2 “Rubber V – Marsala”. Style: b
6.3 “Outsole – RB 2372 Pierre”. Style: b

7) “Velcro – 100 mm”. Style: a, b

Phone +55 51 3553.1000
www.ibtec.org.br
laudos@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 2085/20

8) 8.1 “Counter – Termofort 23HT DK”. Style: a, b
   8.2 “Counter – Entrefix Ref.1145N”. Style: a
   8.3 “Toe puff – Max Soft 05”. Style: b

9) 9 “PU Foam – H160 10mm”. Style: a, b

10) “Footbed EVA – TS 21 Dur. 58 / TS 09 – 02 Dur. 58”. Style: a, b

11) “Tag Transfer Nylon”. Style: a, b

12) 12.1 “C.W.L. – Rinnova”. Style: b

    12.2 “Laminated – PU Synthetic Marsala”. Style: b

13) “Eyelet and Washer I-08 LP / I-26”. Style: b

Application: 50781
Date of entry: 07/21/2020
Date of the test: 07/23 until 08/05/2020.

TESTS AND RESULTS

Determination of pH Value using KCl (ISO 3071/20)

Sample	Results (ppm)	Orientation (Client)	Evaluation
2.1	**6.5**	4.0 – 7.5	PASS
2.2	**6.5**		PASS
2.3	**6.1**		PASS
3	**5.6**		PASS
4	**6.4**		PASS
5	**5.6**		PASS
12.1	**6.3**		PASS
12.2	**5.8**		PASS

Determination of pH Value (ISO 4045/18)

Sample	Results (ppm)	Orientation (Client)	Evaluation
1.1	**4.2**	4.0 – 7.5	PASS
1.2	**4.3**		PASS
1.3	**4.3**		PASS

Phone +55 51 3553.1000
www.ibtec.org.br
laudos@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 2085/20

Determination of metal content
Part 1: Determination of metals using microwave digestion (BS EN 16711-1:2015) Analysis performed by ICP-OES

Sample	Results (ppm)		Orientation (Client) Maximum	Evaluation
1.2 + 1.3	Lead (Pb)	**< LQM**	300 or less	PASS
1.1 + 1.2 + 1.3	Cadmium (Cd)	**< LQM**	75 or less	PASS
2.1 + 2.2 + 2.3	Cadmium (Cd)	**< LQM**	75 or less	PASS
3	Cadmium (Cd)	**< LQM**	75 or less	PASS
4	Cadmium (Cd)	**< LQM**	75 or less	PASS
5	Cadmium (Cd)	**< LQM**	75 or less	PASS
	Lead (Pb)	**< LQM**	300 or less	PASS
6.1 + 6.2 + 6.3	Cadmium (Cd)	**< LQM**	75 or less	PASS
	Lead (Pb)	**< LQM**	300 or less	PASS
7	Cadmium (Cd)	**< LQM**	75 or less	PASS
	Lead (Pb)	**< LQM**	300 or less	PASS
8.1 + 8.2 + 8.3	Cadmium (Cd)	**< LQM**	75 or less	PASS
	Lead (Pb)	**< LQM**	300 or less	PASS
9	Cadmium (Cd)	**< LQM**	75 or less	PASS
10	Cadmium (Cd)	**< LQM**	75 or less	PASS
	Lead (Pb)	**< LQM**	300 or less	PASS
11	Cadmium (Cd)	**< LQM**	75 or less	PASS
	Lead (Pb)	**< LQM**	300 or less	PASS
12.1 + 12.2	Cadmium (Cd)	**< LQM**	75 or less	PASS
12.2	Lead (Pb)	**< LQM**	300 or less	PASS
13	Cadmium (Cd)	**< LQM**	75 or less	PASS
	Lead (Pb)	**52.07**	300 or less	PASS

Phone +55 51 3553.1000
www.ibtec.org.br
laudos@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 2085/20

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

Sample	Results (ppm)	Orientation (Client)	Evaluation
1.2 + 1.3	**< LQM**	Maximum: 30 or less (each)	PASS

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

Sample	Results (ppm)	Orientation (Client)	Evaluation
5	**< LQM**		PASS
11	**< LQM**	Maximum: 30 or less (each)	PASS
12.2	**< LQM**		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 17226-1/18)

Sample	Results (ppm)	Orientation (Client)	Evaluation
1.2 + 1.3	**30.6**	Maximum: A) < 36 meses: 20 ppm or less B) >36 meses: 75 ppm or less	Item B: PASS

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

Sample	Results (ppm)	Orientation (Client)	Evaluation
1.2 + 1.3	**< LQM**	Maximum: < 36 meses: 20 ppm or less >36 meses: 75 ppm or less	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.

Phone +55 51 3553.1000
www.ibtec.org.br
laudos@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 2085/20

Determination of Pentachlorophenol (PCP) (64 LFGB B82.02-8)

Sample	Results (ppm)	Orientation (Client)	Evaluation
5	**< LQM**	Maximum: < 36 meses: 20 ppm or less >36 meses: 75 ppm or less	PASS
11	**< LQM**		PASS
12.2	**< LQM**		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 (Client)	Evaluation
1.2 + 1.3	**< LQM**	Maximum: 3 ppm or less	PASS

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

Sample	Results (ppm)	Orientation (Client)	Evaluation
5	**< LQM**	Maximum: < 36 meses: 20 ppm or less >36 meses: 75 ppm or less	PASS
11	**< LQM**		PASS
12.2	**< LQM**		PASS

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

Sample	Results (%)	Orientation (Client)	Evaluation
6.1 + 6.2 + 6.3	**< LQM**	Maximum: 0.1 % (1000 ppm) or less	PASS
7	**< LQM**		PASS
8.1 + 8.2 + 8.3	**< LQM**		PASS
10	**< LQM**		PASS
11	**< LQM**		PASS
12.2	**< LQM**		PASS

Phone +55 51 3553.1000
www.ibtec.org.br
laudos@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 2085/20

Determination of organotin compounds (ISO/TS 16179:2012)

Sample	Results (ppm)	Orientation (Client)	Evaluation
1.2 + 1.3	**< LQM**		PASS
5	**< LQM**		PASS
6.1 + 6.2 + 6.3	**< LQM**	Maximum: DBT: 1.0 ppm or less	PASS
7	**< LQM**		PASS
8.1 + 8.2 + 8.3	**< LQM**	TBT: < 36 meses: 0.5 ppm or less	PASS
10	**< LQM**	>36 meses: 1.0 ppm or less	PASS
11	**< LQM**		PASS
12.2	**< LQM**		PASS

Determination of dimethylfumarate – DMFU (ISO 16186/12)

Sample (groups)	Results (ppm)	Orientation (Client)	Evaluation
5	**< LQM**		PASS
6.1 + 6.2 + 6.3	**< LQM**		PASS
7	**< LQM**		PASS
8.1 + 8.2 + 8.3	**< LQM**	Maximum: 0,1 ppm	PASS
10	**< LQM**		PASS
11	**< LQM**		PASS
12.2	**< LQM**		PASS

Test method for release of nickel (BS EN 1811/11)
Method for the simulation of wear and corrosion (BS EN 12472/05 + A1:2009)

Sample	Results (µg/cm²/week)	Orientation (Client)	Evaluation
13	**< LQM**	Maximum 0,5 µg/cm²/week	PASS

Phone +55 51 3553.1000
www.ibtec.org.br
laudos@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 2085/20

Quantification Limit of Method – LQM		
- Formaldehyde (Leather): 1.29090ppm		
- Formaldehyde (Textile): 16.4 ppm		
- Dimethylfumarate: 0.08 ppm		
- Azo Dyes: 5 ppm per amine		
- Phthalates (%):		
Di-(2-ethyl-hexyl) phthalate (DEHP): 0.015	Dibutylphthalate (DBP): 0.015	Benzylbutylphthalate (BBP): 0.015
Diisononylphthalate (DINP): 0.015	Diisodecylphthalate (DIDP): 0.015	
Di-n-octyl phthalate (DNOP): 0.015		
- BS EN 16711-1 (Total):		
Lead (Pb): 16.7 ppm		
Cadmium (Cd): 16.7 ppm		
- Chromium VI: 3.00 ppm		
- Phenols: 0.05 ppm per phenol		
- Organotin:		
Dibutyltin (DBT): 0.1 ppm		
tributyltin (TBT): 0.1 ppm		
- BS EN 1811 Nickel (Ni): 0.05 ug/cm²/week		

Considerations:
Recovery rate: 70.0%; (Recovery rates of less than 80% may be an indication that the matrix contains reducing agents, these can interfere with the result).
Photometric cell: (Chromium VI test): 10 mm
Sample area: 51.44 cm^2
Volume test solution: 50 mL
The piece is submitted to pretreatment as BS EN 12472 for subsequent determination of nickel as BS EN 1811/11.
ppm (parts per million) = mg/kg
Sampling was carried by client.
The tests were performed in the laboratory permanent facilities.
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.

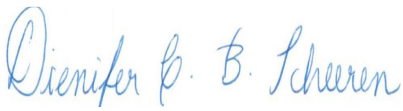
Novo Hamburgo, August 06th, 2020.

Phone +55 51 3553.1000
www.ibtec.org.br
laudos@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 2085/20

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



Technical Analyst
Dienifer Scheeren - Chemical technician
CRQ 05409288 - 5ª Region

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

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

To verify the authentity of this document, download a QR code reader. Open the app and point the camera at the picture or check the address:
http://www.ibtec.org.br/areacliente/laudo/178106207082020_ibtec_-_Assinado.pdf

Digital signature: This report receives digital signature with digital certification according with Medida Provisória N° 2200-2 de 28/08/2001. When viewing the file, search the following icon on the pdf tools toolbar.

Note: The results presented in this document are valid only to the tested samples and may not be reproduced without the laboratory authorization. Authorization will only be given for the total reproduction of this document.

Phone +55 51 3553.1000
www.ibtec.org.br
laudos@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