

TEST REPORT SR 1351/21

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

Shoe description and client identification:

- a) One (01) sample of white coloured shoe.
Style: CP052429
- b) One (01) sample of black and white coloured shoe.
Style: CL012511
- c) One (01) sample of white coloured shoe.
Style: UC072539
- d) One (01) sample of white, blue and grey coloured shoe.
Style: VX011380
- e) One (01) sample of metallic yellow coloured shoe.
Style: RSV052418



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

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Sample identification (groups):

- 1) "Leather Semi - Vacuum Semi Anilina". Style: D
"Suede HF - Vacuum Suede". Style: A, D
"Leather Langue - Vacuum Semi Anilina". Style: D
- 2) "Leather Easy - Vacuum Cromo Free". Style: A, E
"Metalized Leather Easy - Vacuum Cromo Free". Style: E
- 3) "CWL - Syntethic Leather Organic Cotton + PU With Corn And Vegetal Oil". Style: C
- 4) "Toe Box RB 300 - Reinforcement Polyester + EVA 0,45 mm". Style: B
"Toe Box Max Soft 40 - Reinforcement Polyester + Termoplastic Resin 0,95 mm". Style: C
"Toe Box RM 100/2 Textile 100% Polyester + Resin Eva 0,60 mm". Style: A
- 5) "Entrefix 1145N - Reinforcement Resins Poliolefinics, Polyesters, Petand Cotton Base". Style: E
"Counter Multiforte 222 - Reinforcement Polyester + EVA 1,75 mm". Style: A, C, D
"Counter RNG 150 - Rinfocement Polyester + EVA + TPU 1,55 mm". Style: B
- 6) "Thermofort 23 HT/DK - Reinforcement Polyester + EVA 1,15 mm". Style: E
- 7) "Lining R-Pet - Textile Recycled Pet Jersey". Style: A, B, C, E
"Lining Toweling - Fabric Recycled Pet Jersey". Style: A, C
"Lining Jersey Alpo - Fabric Organic Cotton + Recycled Pet Jersey". Style: D
- 8) "Canvas Organic Cotton 0459 - Textile". Style: A, C, D, E
"Textile 2295-03 - Textile Recycled Pet Jersey". Style: B
- 9) "Textile 2306 03 - Textile Recycled Pet Jersey". Style: B
"Drower - Textile Recycled Pet". Style: B
"Texile Jersey". Style: B
- 10) "Dupla Frontura K685 /6 - Textile Recycled Pet". Style: B
"Alveomesh - Textile Recycled Pet". Style: B
"B-Mesh - Textile Recycled Pet". Style: D
- 11) "VCX 43p - Textile Cotton And Polyester Jersey". Style: D, E
"Backing SI 125 (7877) - Non Woven Fabric Polyester + PMMA". Style: A, E
"SCR310 - Non Woven Fabric Polyester". Style: D
- 12) "Reinforcement 195/400 - Textile Polyester + EVA Canvas". Style: B
"SPL 160R - Non Woven Fabric Polyester". Style: A, C
"Tecin CR20C 24 - Non Woven Fabric Recycled Pet". Style: B
- 13) "Shoelaces PH 636 - Recycled Pet". Style: B
"Shoelaced M8077 - Organic Cotton". Style: A, C, D
"Grosgrain PH762 - Grosgrain Recycled Pet". Style: B
- 14) "Shoelaces PH 732 - Recycled Pet". Style: B
"Ribbon PH674 - 87% Polyamide + 13% Elastane". Style: B
- 15) "Tecim CR10 C 30 a 5 - Non Woven Recycled Pet". Style: B
"Palmissoft SPL 220 R - Non Woven Fabric Polyester". Style: E

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- 16) "Nobuck Plus SU18 - Non Woven Polyamide". Style: C
"Avesso SU05 - Non Woven Fabric Polyamide". Style: D
- 17) "Foam Tongue Conformed - Expanded PU Foam 7 mm". Style: B
"Foam 4 mm - Expanded Pu Foam". Style: B
"Latex Foam - Synthetic Latex Foam 1,8 mm" Style: A, C, D, E
- 18) "Foam PU 8mm - Expanded PU Foam". Style: A
"Foam H160 5mm - Expanded PU Foam". Style: A, C
"Foam PU H160 10mm - Expanded PU Foam". Style: A, C, D, E
- 19) "Foam PU D70 - Expanded PU Foam 10mm". Style: B
- 20) "Outsole RB2999 - 19% Geb + 28% Synthetic Rubber + 23 % Rice Waste". Style: A
"Outsole V-10 Ramarim - 24% Geb + 26% Synthetic Rubber + 23% Rice Waste". Style: C, D
"Outsole Condor Plain - 30% Geb + 23% Synthetic Rubber + 31% Rice Waste + 16% Others". Style: B
- 21) "Outsole Amazonia RB2372 - 24% Geb + 26% Synthetic Rubber + 29% Rice Waste". Style: E
"Blanket RVE 071 C/ Gravação Diamond - Synthetic Rubber Blanket 1,4 mm Thick". Style: A
"Welt RVE 092 S/ Gravação - Raw Welt 40% Synthetic Rubber + 22% Rice Waste". Style: A
- 22) "Blanket V Logo - Sythentic Rubber Banket 1,2 mm". Style: D
"Logo V - Slab Veja - Pressed Synthetic Rubber". Style: E
"Cushion L-Foam Condor - Foam 30% Natural Latex + 70% Synthetic Latex". Style: B
- 23) "Eva 2mm - Blanket Eva 2mm". Style: B
"Enchimento De Sola Eva 2mm – Entresola Eva Green Chapa Recortada 2mm Espessura". Style: E
"Enchimento D Outsole Eva 3mm - Manta Eva 3mm Espessura/ Dureza 40". Style: C, D
- 24) "Insole TS21 - Eva + Natural Rubber + Organic Cotton Canvas 0459". Style: E
"Midsole Condor Plain - Eva Green Injected". Style: B
"Insole TS 111 - Eva Green Termo Conformed". Style: B
- 25) "Numberng Label Transfers - Textile Polyester + Polyamide". Style: A, C, D, E
"Numbering Label Sewed - Textile Polyester + PP". Style: B
- 26) "Insole TS09-02 - Eva + Natural Rubber + Organic Cotton Canvas". Style: A, E
"Insole TS09-01 - EVA + Natural Rubber + Organic Cotton Canvas". Style: C, D
- 27) "TPU Mokka Shade - Film TPU Translucid 0,5mm". Style: B
"TPU Matte (Ecofusion Gesso) - Film TPU Solid Color 0,5mm". Style: B
- 28) "Logo V Condor 10426 - Pebax R-New Injected". Style: B
"Estabilizer Condor 10427 - Pebax R-New Injeted". Style: B
- 29) "Velcro - Textile Polyamide 2mm". Style: E
- 30) "Eyelet Oval I-08 LP - Metal Brass Free Nickel 17 X 4,5mm Opening". Style: E
"Eyelet Oval I-02 AM LP - Metal Brass Free Nickel 20 X 4,5mm Opening". Style: E

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Application: 55341

Date of entry: 04/23/2021

Date of the test: 04/26 until 05/18/2021.

TESTS AND RESULTS

Determination of dimethylfumarate – DMFU (ISO 16186/12)

Sample (groups)	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
3	< LQM	Maximum: 0.1 ppm	PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
7	< LQM		PASS
8	< LQM		PASS
9	< LQM		PASS
10	< LQM		PASS
11	< LQM		PASS
12	< LQM		PASS
14	< LQM		PASS
15	< LQM		PASS
16	< LQM		PASS
17	< LQM		PASS
18	< LQM		PASS
19	< LQM		PASS
20	< LQM		PASS
21	< LQM		PASS
22	< LQM		PASS
23	< LQM		PASS
24	< LQM		PASS
25	< LQM		PASS
26	< LQM		PASS
27	< LQM		PASS
28	< LQM		PASS
29	< LQM		PASS

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
3	Arsenic (As) < LQM	Arsenic: Max. 0.2 ppm Cadmium: Max. 0.1 ppm Lead: Max. 1 ppm	PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
4	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
5	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
6	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
7	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
8	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
9	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
10	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
11	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
12	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
13	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS

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Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
14	Arsenic (As) < LQM	Arsenic: Max. 0.2 ppm Cadmium: Max. 0.1 ppm Lead: Max. 1 ppm	PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
15	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
16	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
17	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
18	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
19	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
20	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
21	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
22	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
23	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
24	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
25	Arsenic (As) < LQM	Arsenic: Max. 0.2 ppm Cadmium: Max. 0.1 ppm Lead: Max. 1 ppm	PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
26	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
27	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
28	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
29	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS
30	Arsenic (As) < LQM		PASS
	Cadmium (Cd) < LQM		PASS
	Lead (Pb) < LQM		PASS

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
1	< LQM	Maximum: 20 ppm	PASS
2	< LQM		PASS

Chemical determination of formaldehyde content – Part 1: Method using HPLC (ISO 17226-1/18)

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
1	14.7	Maximum: 75 ppm	PASS
2	24.8		PASS

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Migration of Mercury (EN 71-3/13)

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
1	< LQM	Maximum: 0.02 ppm	PASS
2	< LQM		PASS
3	< LQM		PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
7	< LQM		PASS
8	< LQM		PASS
9	< LQM		PASS
10	< LQM		PASS
11	< LQM		PASS
12	< LQM		PASS
13	< LQM		PASS
14	< LQM		PASS
15	< LQM		PASS
16	< LQM		PASS

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
3	< LQM	Maximum: 90 ppm	PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
7	< LQM		PASS
8	< LQM		PASS
9	< LQM		PASS
10	< LQM		PASS
11	< LQM		PASS
12	< LQM		PASS
13	< LQM		PASS
14	< LQM		PASS

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
15	< LQM	Maximum: 90 ppm	PASS
16	< LQM		PASS
17	< LQM		PASS
18	< LQM		PASS
19	< LQM		PASS
20	< LQM		PASS
21	< LQM		PASS
22	< LQM		PASS
23	< LQM		PASS
24	< LQM		PASS
25	< LQM		PASS
26	< LQM		PASS
27	< LQM		PASS
28	< LQM		PASS
29	< LQM		PASS

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
30	41.76	Maximum: 90 ppm	PASS

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
1	OPP: 161.8	Maximum: 1000 ppm	PASS

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
1	< LQM	Maximum: 0,5 ppm each	PASS
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.

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
3	< LQM	Maximum: 20 ppm	PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
7	< LQM		PASS
8	< LQM		PASS
9	< LQM		PASS
10	< LQM		PASS
11	< LQM		PASS
12	< LQM		PASS
13	< LQM		PASS
14	< LQM		PASS
15	< LQM		PASS
16	< 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.

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
1	< LQM	Maximum: 3 ppm	PASS
2	< LQM		PASS

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
3	< LQM		PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
7	< LQM		PASS
8	< LQM	Adults and children: maximum 75 ppm Babies: maximum 16 ppm	PASS
9	< LQM		PASS
10	< LQM		PASS
11	< LQM		PASS
12	< LQM		PASS
13	< LQM		PASS
14	< LQM		PASS
15	< LQM		PASS
16	< LQM		PASS

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
3	< LQM		PASS
4	< LQM		PASS
5	< LQM		PASS
17	< LQM		PASS
18	< LQM		PASS
19	< LQM		PASS
20	< LQM		PASS
21	< LQM	Maximum: 1 ppm	PASS
22	< LQM		PASS
23	< LQM		PASS
24	< LQM		PASS
25	< LQM		PASS
26	< LQM		PASS
27	< LQM		PASS
28	< LQM		PASS
29	< LQM		PASS

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
3	< LQM	Maximum: 0.5 ppm each	PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
17	< LQM		PASS
18	< LQM		PASS
19	< LQM		PASS
20	< LQM		PASS
21	< LQM		PASS
22	< LQM		PASS
23	< LQM		PASS
24	< LQM		PASS
25	< LQM		PASS
26	< LQM		PASS
27	< LQM		PASS
28	< LQM		PASS
29	< LQM		PASS

Determination of disperse dyes (DIN54231:2005)¹

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
3	< LQM	Maximum: 50 ppm each	PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
7	< LQM		PASS
8	< LQM		PASS
9	< LQM		PASS
10	< LQM		PASS
11	< LQM		PASS
12	< LQM		PASS
13	< LQM		PASS
14	< LQM		PASS
15	< LQM		PASS
16	< LQM		PASS

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Determination of VOCs (DIN CEN ISO/TS16189:2013)¹

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
1	< LQM		PASS
2	< LQM		PASS
3	< LQM		PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
7	< LQM		PASS
8	< LQM		PASS
9	< LQM		PASS
10	< LQM		PASS
11	< LQM		PASS
12	< LQM		PASS
13	< LQM		PASS
14	< LQM	Benzene:	PASS
15	< LQM	Maximum 5 ppm	PASS
16	< LQM	Sum: 1000 ppm	PASS
17	Carbon Disulfide = 83.5		PASS
18	< LQM		PASS
19	< LQM		PASS
20	< LQM		PASS
21	< LQM		PASS
22	< LQM		PASS
23	< LQM		PASS
24	< LQM		PASS
25	< LQM		PASS
26	< LQM		PASS
27	< LQM		PASS
28	< LQM		PASS
29	< LQM		PASS

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Rio Grande do Sul, Brasil

TEST REPORT SR 1351/21

Short-chain chlorinated paraffins (SCCPs) (ISO 18219/2015)¹

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
1	< LQM	Maximum: 1000 ppm	PASS
2	< LQM		PASS
3	< LQM		PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
7	< LQM		PASS
8	< LQM		PASS
9	< LQM		PASS
10	< LQM		PASS
11	< LQM		PASS
12	< LQM		PASS
13	< LQM		PASS
14	< LQM		PASS
15	< LQM		PASS
16	< LQM		PASS

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
3	< LQM	Maximum: 0.5 ppm each	PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
7	< LQM		PASS
8	< LQM		PASS
9	< LQM		PASS
10	< LQM		PASS
11	< LQM		PASS
12	< LQM		PASS
13	< LQM		PASS
14	< LQM		PASS
15	< LQM		PASS
16	< LQM		PASS

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TEST REPORT SR 1351/21

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

Sample	Results (%)	Orientation (AFIRM 2021)	Evaluation
3	< LQM		PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
17	< LQM		PASS
18	< LQM		PASS
19	< LQM		PASS
20	< LQM	Maximum 500 ppm each Total: 1000 ppm (0.1%)	PASS
21	< LQM		PASS
22	< LQM		PASS
23	< LQM		PASS
24	< LQM		PASS
25	< LQM		PASS
26	< LQM		PASS
27	< LQM		PASS
28	< LQM		PASS
29	< LQM		PASS

Nonylphenol (NP), Octylphenol (OP), NonylphenolEthoxylates (NPEO/OPEO) (ISO 18254-1/16)¹

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
3	< LQM		PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
7	< LQM		PASS
8	< LQM		PASS
9	< LQM	Maximum: 100 ppm	PASS
10	< LQM		PASS
11	< LQM		PASS
12	< LQM		PASS
13	< LQM		PASS
14	< LQM		PASS
15	< LQM		PASS
16	< LQM		PASS

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Nonylphenol (NP), Octylphenol (OP), NonylphenolEthoxylates (NPEO/OPEO) (ISO 18218-1/16)¹

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
1	< LQM	Maximum: 100 ppm	PASS
2	< LQM		PASS

Perfluorooctane Sulfonate (PFOS) (CEN/TS 15968/2010)¹ Perfluorooctanoic Acid (PFOA) (CEN/TS 15968/2010)¹

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
1	< LQM	Maximum 0.025 ppm	PASS
2	< LQM		PASS
3	< LQM		PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
7	< LQM		PASS
8	< LQM		PASS
9	< LQM		PASS
10	< LQM		PASS
11	< LQM		PASS
12	< LQM		PASS
13	< LQM		PASS
14	< LQM		PASS
15	< LQM		PASS
16	< LQM		PASS

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Chlorobenzene and Chlorinated Toluenes (COCs) (DIN EN 17137/19)¹

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
1	< LQM		PASS
2	< LQM		PASS
4	Chlorobenzene = 0.4 1,4 – Dichlorobenzene = 0.2		PASS
5	1,4 – Dichlorobenzene = 0.2		PASS
6	1,4 – Dichlorobenzene = 0.2		PASS
8	1,4 – Dichlorobenzene = 0.2		PASS
9	1,4 – Dichlorobenzene = 0.4	1,2-Dichlorobenzene: Maximum: 10 ppm	PASS
10	1,4 – Dichlorobenzene = 0.5	Others: Total 1 ppm	PASS
11	1,4 – Dichlorobenzene = 0.4		PASS
12	1,4 – Dichlorobenzene = 0.1		PASS
13	1,4 – Dichlorobenzene = 0.2		PASS
14	1,4 – Dichlorobenzene = 0.3		PASS
15	1,4 – Dichlorobenzene = 0.2		PASS
16	< LQM		PASS

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

Sample	Results (ppm)	Orientation (AFIRM 2021)	Evaluation
1	< LQM		PASS
2	< LQM		PASS
3	< LQM		PASS
4	< LQM		PASS
5	< LQM		PASS
6	< LQM		PASS
7	< LQM		PASS
8	< LQM		PASS
9	< LQM		PASS
10	< LQM		PASS
11	< LQM		PASS
12	< LQM		PASS
14	< LQM	Tributyltin (TBT) and Triphenyltin (TPhT) 0.5 ppm each	PASS
15	< LQM		PASS
16	< LQM	Others: 1 ppm each	PASS
17	< LQM		PASS
19	< LQM		PASS
20	< LQM		PASS
21	< LQM		PASS
22	< LQM		PASS
23	< LQM		PASS
24	< LQM		PASS
25	< LQM		PASS
26	< LQM		PASS
27	< LQM		PASS
28	< LQM		PASS
29	< LQM		PASS

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Method Quantification Limit – LQM

- CPSC 1001: Lead (Pb): 25.0 ppm - CPSC 1002/1003: Lead (Pb): 16.7 ppm - Soluble Metals BS EN 71 / BS EN 16711-2 : Lead (Pb): 1 ppm Cadmium (Cd): 0.1 ppm Arsênio (As): 0.2 ppm Mercury (Hg): 0.02 ppm - Chromium VI: 3.00 ppm - Formaldehyde (Leather): 5 ppm - Formaldehyde ISO 14184 – 1 (Textile): 16 ppm - Dimethylfumarate ISO 16186: Standard Matrix: 0.005 ppm - Azo Dyes: 5 ppm per amine - Phthalates (%): Dimethyl phthalate (DMP): 0.015 Di-(2-ethyl-hexyl) phthalate (DEHP): 0.015 Diisobutyl phthalate (DIBP): 0.015 Dibutyl phthalate (DBP): 0.015 Diisooheptyl phthalate (DIHP): 0.015 Di-n-octyl phthalate (DNOP): 0.015 - Phenols: 0.5 ppm per phenol - Preservatives: 2-phenylphenol (OPP): 50 ppm - Organotin (ppm): n-butyltin (MBT): 0.2 Tributyltin (TBT): 0.2 Dibutyltin (DBT): 0.2 Tetrabutyltin (TeBT): 0.2 - 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 1,1,1,2-Tetrachloroethane: 10 - Nitrosamines 0.5 ppm: N-nitrosodimethylamine (NDMA) N-nitrosodiethylamine (NDEA) N-nitrosodipropylamine (NDiPA) N-nitrosodibutylamine (NDBA) N-nitrosopiperidine (NPIP) N-nitrosopyrrolidine (NPYR) N-nitrosodipropylamine (NDPA) - Bisphenol A: 1.0 ppm - SCCPs: 100 ppm - PFOA: 0.01 ppm - NP/ OP (ISO 18218): 10 ppm - NP/ OP (ISO 18254): 10 ppm - COCs: 0.1 ppm		Di-n-hexyl phthalate (DNHP): 0.015 Butyl benzyl phthalate (BBP): 0.015 Diisodecyl phthalate (DIDP): 0.015 Diethyl phthalate (DEP): 0.015 Diisononyl phthalate (DINP): 0.015 Monooctyltin (MOT): 0.2 Di-n-octyltin (DOT): 0.2 Triphenyltin (TPhT): 0.2 Tripropyltin (TPT): 0.2 1,1,2,2-Tetrachloroethane: 10 1,1-Dichloroethylene: 10 Trichloroethylene: 10 Tetrachloroethylene: 10 Pentachloroethane: 10 Ethylbenzene: 10 N,N-dimethylacetamide: 10 1,2-Dichloroethane: 10 Cyclohexanone: 20 Carbon Disulfide: 20 N-nitrosomorpholine (NMOR) N-nitroso N-methyl N-phenylamine (NMPHA) N-nitroso-N-ethyl-N-phenylamine (NEPHA) N-nitrosomethyl-ethylamine N-nitrosodiphenylamine N-nitrosodibenzylamine (NDBZA) N-nitrosodiisononyllamine (NDiNA) - PFOA: 0.01 ppm - NPEOS/ OPEOS (ISO 18218): 50 ppm - NPEOS/ OPEOS (ISO 18254): 50 ppm	
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Method Quantification Limit – LQM	
- Disperse Dyes: 15 ppm	
Acid Red 26	Malachite Green
Basic Red 9	Solvent Yellow 2
Basic Violet 14	Disperse Orange 11
Solvent Blue 4	4,4-bis(dimethylamino)-4-(methylamino)trityl alcohol
Direct Blue 6	Direct Brown 95
Disperse Blue 1	Disperse Yellow 1
Disperse Blue 3	Disperse Yellow 3
Navy Blue	Disperse Yellow 7
Disperse Blue 7	Disperse Yellow 9
Disperse Blue 26	Disperse Yellow 39
Disperse Blue 35A e 35B	Disperse Yellow 49
Disperse Blue 102	Disperse Yellow 56
Disperse Blue 106	Disperse Orange 1
Disperse Blue 124	Disperse Orange 3
Disperse Red 1	Disperse Orange 37/76/59
Disperse Red 11	Disperse Brown 1
Disperse Red 17	Disperse Orange 149
Disperse Red 151	Disperse Yellow 23
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]methylenecyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Blue 26)	

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: A2210092455146 until A2210092455174

Date: 05/10 a 05/18/2021

Considerations:

Recovery rate (Chromium VI test): 1: 39.1%; 2: 3.1%; (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

ppm (parts per million) = mg/kg

Sampling was carried by client.

With the exception of the outsourced tests, the remaining 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.

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TEST REPORT SR 1351/21

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

This report integrates the sheet of signatures attached.

Novo Hamburgo, May 19th, 2021.

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TEST REPORT SR 1351/21

Aline Luana Ghiggi

Technical Analyst
Aline Luana Ghiggi - Chemical technician
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