



Test Report

No. BR2301045 Rev. 0

Date: Barueri, 10 Apr 2023

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ELO METAIS PARA CALÇADOS LTDA
R SARMENTO LEITE
29
SALA 01
SAPIRANGA, RS 93800010
BRAZIL

The following sample(s) was/were submitted and identified on behalf of the buyer as: Ilhós I-30 c/ arruela Latão Free Níquel ; Ilhós I- 08 c/ arruela Latão Free Níquel ; Ilhós I- 02 AM c/ arruela Latão Free Níquel; Ilhós I-30 c/ arruela Latão Free Níquel; Ilhós I- 08 c/ arruela Latão Free Níquel; Ilhós I- 02 AM c/ arruela Latão Free Níquel

SGS Order No. : 400000004236
Total of Sample : 03 Samples
Lot Number : Ilhós I-30 (Lote 7399) ; Ilhós I-08 (Lote 7506) ; Ilhós I-02 AM (Lote 7439)
Project : VEJA
Test Product : METALS
Mix : YES
Colors : Ilhós I-30 / Ilhós I- 08 / Ilhós I- 02 AM
Sample composed of fibers of plant origin : NO
Sample contains PVC or recycled material in the composition : NO
water repellent material : YES
Sample covered with paints or varnishes : YES
Sample based on PU : NO

The informations above was provided by or on behalf of the customer.

Proposal Number : C&P PR23-327803 REV00
Sample Receiving Date : 28 Mar 2023
Test Performing Period : 29 Mar 2023 - 06 Apr 2023
Test Requested : Selected test(s) as requested by client.
Test Part Description : Please refer to next page(s).
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).
Technical Responsibility : Alessandra Shimizu - Laboratory Manager CRQ 04245592

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Sample Photo :



SGS authenticate the photo on original report only

Signed for and on behalf of
SGS do Brasil Ltda.

Alessandra Shimizu
Laboratory Manager CRQ 04245592

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Test Results :

Test Part Description :

Item No.	SGS Sample ID	Description
1	BR2301045.001	Ilhós I-30 c/ arruela Latão Free Níquel ; Ilhós I- 08 c/ arruela Latão Free Níquel ; Ilhós I- 02 AM c/ arruela Latão Free Níquel
2	BR2301045.002	Ilhós I-30 c/ arruela Latão Free Níquel
3	BR2301045.003	Ilhós I- 08 c/ arruela Latão Free Níquel
4	BR2301045.004	Ilhós I- 02 AM c/ arruela Latão Free Níquel

Total Heavy Metals

Test Method : DIN EN 16711-1:2016, Analysis was conducted by ICP-MS

Test Item(s)	CAS-NO.	Limit	RL	Unit	Result 001
Arsenic (As)	7440-38-2	Max. 100.00	10.00	mg/kg	ND
Cadmium (Cd)	7440-43-9	Max. 40.00	5.00	mg/kg	ND
Mercury (Hg)	7439-97-6	Max. 0.50	0.10	mg/kg	0.12

Non-Metal Products

Test Method : With reference to CPSC-CH-E1002-08.3; analysis was performed by ICP-OES.

Test Item(s)	Limit	RL	Unit	Result 001
Lead (Pb)	Max. 90.00	10.00	mg/kg	70.47

Phthalates

Test Method : With reference to ISO 14389:2014; Analysis was performed by GC-MS/CPSC Method CPSC-CH-C1001.09.4:2018

Test Item(s)	CAS-NO.	Limit	RL	Unit	Result 001
Diisononyl Phthalate (DINP)	28553-12-0	Max. 500.00	50.00	mg/kg	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	Max. 500.00	50.00	mg/kg	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	Max. 500.00	50.00	mg/kg	ND
Diisodecyl Phthalate (DIDP)	26761-40-0	Max. 500.00	50.00	mg/kg	ND
Benzylbutyl Phthalate (BBP)	85-68-7	Max. 500.00	50.00	mg/kg	ND
Dibutyl Phthalate (DBP)	84-74-2	Max. 500.00	50.00	mg/kg	ND
Diisobutyl Phthalate (DIBP)	84-69-5	Max. 500.00	30.00	mg/kg	ND
Di-n-hexyl Phthalate (DnHP)	84-75-3	Max. 500.00	50.00	mg/kg	ND
Diethyl Phthalate (DEP)	84-66-2	Max. 500.00	50.00	mg/kg	ND
Dimethyl Phthalate (DMP)	131-11-3	Max. 500.00	50.00	mg/kg	ND
Di-n-pentyl Phthalate (DPENP)	131-18-0	Max. 500.00	50.00	mg/kg	ND

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<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	Result <u>001</u>
Dicyclohexyl Phthalate (DCHP)	84-61-7	Max. 500.00	50.00	mg/kg	ND
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	Max. 500.00	50.00	mg/kg	ND
Bis(2-methoxyethyl) Phthalate (DMEP)	117-82-8	Max. 500.00	50.00	mg/kg	ND
Diisopentyl Phthalate (DIPP)	605-50-5	Max. 500.00	50.00	mg/kg	ND
Dipropyl phthalate (DPRP)	131-16-8	Max. 500.00	50.00	mg/kg	ND
Diisooctyl phthalate (DIOP)	27554-26-3	Max. 500.00	50.00	mg/kg	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	Max. 500.00	50.00	mg/kg	ND
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	Max. 500.000	50.000	mg/kg	ND
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68648-93-1	Max. 500.000	30.000	mg/kg	ND
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5	Max. 500.000	30.000	mg/kg	ND
N-pentyl-isopentyl Phthalate (NPIPP)	776297-69-9	Max. 500.00	30.00	mg/kg	ND
Di-hexylphthalate, branched and linear (DHxP)	68515-50-4	Max. 500.000	30.000	mg/kg	ND
Di-iso-hexylphthalate (DIHxP)	71850-09-4	Max. 500.00	30.00	mg/kg	ND
Sum		Max. 1000.00	-	mg/kg	ND

Nickel Release in Coated Samples

Test Method : Simulation of wear and corrosion - EN 12472:2005 + A1:2009, followed by extraction - EN 1811:2011. Analysis was performed by ICP-MS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	Result <u>002</u>
Nickel Release	Max. 0.50	0.50	µg/cm ² / week	ND

<u>Test Item(s)</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	Result <u>003</u>
Nickel Release	Max. 0.50	0.50	µg/cm ² / week	ND

<u>Test Item(s)</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	Result <u>004</u>
Nickel Release	Max. 0.50	0.50	µg/cm ² / week	ND

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Remarks :

- (1) RL = Reporting Limit
- (2) ND = Not Detected (< RL)
- (3) "-" = Not Analyzed / Not Applicable
- (4) "--" = Analysis in Process
- (5) 1 mg/kg = 0.0001%
- (6) mg/kg = ppm

Comments :

The reported results refer only to the samples submitted to the tests. SGS is not responsible for information regarding the composition of the sample and its manufacturing data. These are the sole responsibility of the customer and are not part of the service scope of SGS do Brasil LTDA.

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The Decision Rule defined by SGS states that the uncertainty of measurement will not be considered in the Verdict (declaration of conformity) when indicated in the test report.

WARNING: The opinions and interpretations expressed below are based on the results obtained from the item tested, applicable only to the tests where the specification parameters are included in this report.

Summary of Test Result:

Test Parameter	Test Method	Evaluation
Total Heavy Metals	DIN EN 16711-1:2016, Analysis was conducted by ICP-MS	PASS
Non-Metal Products	With reference to CPSC-CH-E1002-08.3; analysis was performed by ICP-OES.	PASS
Nickel Release in Coated Samples	Simulation of wear and corrosion - EN 12472:2005 + A1:2009, followed by extraction - EN 1811:2011. Analysis was performed by ICP-MS.	PASS
Phthalates	With reference to ISO 14389:2014; Analysis was performed by GC-MS/CPSC Method CPSC-CH-C1001.09.4:2018	PASS

*** End of Report ***

The assay were conducted in the laboratory in Brazil, located at the address cited at the bottom of this report.

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