

SUMMARY	
<b>RSL Report</b>	R-0026787
<b>Overall Test Result</b>	Pass
<b>Non-compliances</b>	None
<b>Report Issue Date</b>	08-Feb-2021 19:59:57

SUPPLIER INFORMATION	
<b>Supplier Name</b>	Boxflex Componente Para Calçado
<b>Supplier Location</b>	Boxflex Componente Para Calçado

GENERAL INFORMATION	
<b>Brand Tested For</b>	
<b>Product Type</b>	Footwear
<b>Licensee</b>	Not Added
<b>Testing Type</b>	Production-ready material
<b>Material Name</b>	Stanflex Ecoforma FREE FRVS 0252 N
<b>Material Number</b>	R0000020115
<b>PDM Number</b>	Not Added
<b>Material ID</b>	AJ4145-090
<b>Color Code</b>	Not Added
<b>Color Name</b>	Not Added
<b>Color Way</b>	Not Added
<b>Sample Description</b>	Família Stanflex Ecoforma FREE FRVS 0252 N PLASTICS, THERMOPLASTICS, POLYMERSEVA, PU, Rigid Plastic, TPU, Foam, Rubber - PU & TPU Materials - other than foams & synthetic leather
<b>Material Types</b>	
<b>Test Packages</b>	Alkylphenol Ethoxylates (NPEO, OPEO)

Metals (Total)  
Organotin Compounds  
Solvents/Residuals - Dimethylformamide (DMFa)  
Solvents/Residuals - Dimethylacetamide (DMAC)  
Solvents/Residuals - N-Methyl-2-pyrrolidone (NMP)  
Solvents/Residuals - Formamide

LABORATORY INFORMATION

**Lab** SGS  
**Location** Sao Paulo SP - Brazil  
**Lab Reference Number** BR2100402

SAMPLE SUBMITTER INFORMATION

**Name** Joana Amaral  
**E-mail** joana@boxflex.com.br

TEST RESULTS BY CLASS

Alkylphenol Ethoxylates (NPEO, OPEO)	Pass
Metals (Total)	Pass
Organotin Compounds	Pass
Solvents/Residuals - Dimethylformamide (DMFa)	Pass
Solvents/Residuals - Dimethylacetamide (DMAC)	Pass
Solvents/Residuals - N-Methyl-2-pyrrolidone (NMP)	Pass
Solvents/Residuals - Formamide	Pass

TEST RESULTS BY CHEMICAL							
Chemical Name	CAS Number	Specific Limit Description (age ranges, screening)	Required Laboratory Reporting Limit	Nike Limit	Unit of Measure	Result	Pass/Fail Nike RSL
TEST RESULTS BY CHEMICAL							
Chemical Name	CAS Number	Specific Limit Description (age ranges, screening)	Required Laboratory Reporting Limit	Nike Limit	Unit of Measure	Result	Pass/Fail Nike RSL
ALKYLPHENOL ETHOXYLATES (NPEO, OPEO)							
Nonylphenol Ethoxylate (NPEOs)	various		20	100 (groupSum)	ppm	Non Detected Pass	Non Detected
Octylphenol Ethoxylate (OPEOs)	various		20	100 (groupSum)	ppm	Non Detected Pass	Non Detected
METALS (TOTAL)							
Arsenic (As)	7440-38-2		10	100	ppm	Non Detected Pass	Non Detected
Cadmium (Cd)	7440-43-9		5	40	ppm	Non Detected Pass	Non Detected
Lead (Pb)	7439-92-1		10	90	ppm	Non Detected Pass	Non Detected
Mercury (Hg)	7439-97-6		0.1	0.5	ppm	Non Detected Pass	Non Detected
ORGANOTIN COMPOUNDS							

TEST RESULTS BY CHEMICAL							
Chemical Name	CAS Number	Specific Limit Description (age ranges, screening)	Required Laboratory Reporting Limit	Nike Limit	Unit of Measure	Result	Pass/Fail Nike RSL
Dibutyltin (DBT)	Various		0.1	1	ppm	Non Detected Pass	Non Detected
Dioctyltin (DOT)	Various		0.1	1	ppm	Non Detected Pass	Non Detected
Monobutyltin (MBT)	Various		0.1	1	ppm	Non Detected Pass	Non Detected
Tin Screening (all materials)	7440-31-5	If Tin > 0.1, Organotin Compound analysis required	0.1	0.1	ppm	0.18	Info Only
Tributyltin (TBT)	Various		0.1	0.5	ppm	Non Detected Pass	Non Detected
Tricyclohexyltin (TCyHT)	Various		0.1	1	ppm	Non Detected Pass	Non Detected
Trimethyltin (TMT)	Various		0.1	1	ppm	Non Detected Pass	Non Detected
Trioctyltin (TOT)	Various		0.1	1	ppm	Non Detected Pass	Non Detected

TEST RESULTS BY CHEMICAL							
Chemical Name	CAS Number	Specific Limit Description (age ranges, screening)	Required Laboratory Reporting Limit	Nike Limit	Unit of Measure	Result	Pass/Fail Nike RSL
Triphenyltin (TPhT)	Various		0.1	0.5	ppm	Non Detected Pass	Non Detected
Tripropyltin (TPT)	Various		0.1	1	ppm	Non Detected Pass	Non Detected
SOLVENTS/RESIDUALS - DIMETHYLFORMAMIDE (DMFA)							
Dimethylformamide (DMFa)	68-12-2		50	500	ppm	Non Detected Pass	Non Detected
SOLVENTS/RESIDUALS - DIMETHYLACETAMIDE (DMAC)							
Dimethylacetamide (DMAC)	127-19-5		50	1000	ppm	Non Detected Pass	Non Detected
SOLVENTS/RESIDUALS - N-METHYL-2-PYRROLIDONE (NMP)							
N-Methyl-2-pyrrolidone (NMP)	872-50-4		50	1000	ppm	Non Detected Pass	Non Detected
SOLVENTS/RESIDUALS - FORMAMIDE							
Formamide	75-12-7		50	1000	ppm	Non Detected Pass	Non Detected



Laboratório de Ensaios Físico-químicos      Relatório de Ensaio Nº. 4259/21      Ordem de Serviço Nº. 1822/21      Folha Nº. 1/1

**Requisitante:** BOXFLEX COMPONENTES PARA CALÇADOS LTDA.

**Endereço:** Avenida dos Municípios, 101 – Novo Hamburgo - RS.

**Data de recebimento da amostra:** 25/08/2021

**Caracterização da amostra:** 01 amostra de material polimérico, identificada pelo requisitante como: "FAMÍLIA ECOFARMA 5051".

**Amostragem:** a/c requisitante.

**Tomada do corpo-de-prova:** a/c laboratório.

ENSAIOS	RESULTADOS			
	Numérico	Limite Quantificação	Unidade	Procedimento
<u>Amostra 1 / FQ 4259/21</u> ("FAMÍLIA ECOFARMA 5051")				
1 - Formaldeído	<0,50	0,50	mg/kg	ISO 14184-1:2011
2 - Aminas Aromáticas <sup>1</sup>	<10,0	10,0	mg/kg	ISO 14362-1:2017
3 - Bisfenol A (BPA)	<1,00	1,00	mg/Kg	Método AFIRM - Bisfenol A (BPA)
4- Arsênio Solúvel	<0,50	0,50	mg/kg	EN 71-3:2019 / DIN EN-71-3:2019-08

<sup>1</sup> Aminas aromáticas analisadas: 2,4-toluenodiamina, o-toluidina, 2,4-xilidina, 2,6-xilidina, o-anisidina, p-cloroanilina, 2,4,5-trimetilanilina, p-cresidina, 4-cloro-o-toluidina, 2,4-diaminoanisol, 2-naftilamina, 2-amino-4-nitrotolueno, 4-aminodifenil, p-amino-azo-benzeno, 4,4-oxidianilina, 4,4-diaminodifenilmetano, benzidina, o-aminoazotolueno, 3,3'-dimetil-4,4'-diaminodifenilmetano, 3,3-dimetilbenzidina, 4,4'-tiodianilina, 3,3'-diclorobenzidina, 4,4'-metileno-bis[2-cloroanilina] e 3,3'-dimetoxibenzidina.

**DATA DE REALIZAÇÃO DOS ENSAIOS:** 25/08 a 16/09/2021.

**EQUIPAMENTOS RASTREÁVEIS UTILIZADOS NO ENSAIO:**

- NI 102 Balança Analítica com Certificado de Calibração RBC nº 005938/2020, emitido pelo INSTITUTO SENAI DE INOVAÇÃO EM METALMÉCANICA – CETEMP e válido até 04/2022.

Estância Velha, 17 de setembro de 2021.

  
Técnico Analista  
Ginter Schwingel  
CRQ 05201411

**Instituto SENAI de Tecnologia em Couro e Meio Ambiente**

Rua Gregório de Mattos, 111, Centro - Estância Velha/RS

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Revisão 04  
LBS



## Test Report

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**BOXFLEX COMPONENTES PARA CALCADOS LTDA**  
**AVENIDA DOS MUNICIPIOS**  
**101**  
**NOVO HAMBURGO, RS 93544750**  
**BRAZIL**

The following sample(s) was/were submitted and identified on behalf of the buyer as: Família Stanflex Ecoforma FREE FRVS 0252 AD

SGS Order No. : 40019392  
Total of Sample : 04 Samples  
Buyer's Name/Division :  
Age Group : All Ages  
Sample Classification : Polyester Textiles (400) / Others Polymers (206)  
Test Required Key Code No. :  
Project :  
Order Info : Full Compulsory Test (FT)  
Material Supplier : Família Stanflex Ecoforma FREE FRVS 0252 AD  
Finished Product Factory :  
Sample Description : Família Stanflex Ecoforma FREE FRVS 0252 AD  
Model Name : Família Stanflex Ecoforma FREE FRVS 0252 AD  
Country of Supplier : Brazil  
Buyers Name :  
Season : 2021  
Contact Person : Joana C. Amaral  
Material Name : Família Stanflex Ecoforma FREE FRVS 0252 AD  
Colour : Cinza / Amarelo

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

Proposal Number : C&P PR21-252156 rev.00  
Sample Receiving Date : 28 Jun 2021  
Test Performing Period : 28 Jun 2021 - 16 Aug 2021  
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

### Summary of Test Result:

Test Parameter	Test Method	Conclusion
Extractable Metals (DIN EN ISO 105-E04:2013, 11885:2009 & 12846:2012)	With reference to EN 16711-2:2016. Analysis was performed by ICP-OES / ICP-MS	PASS
Total Heavy Metals	Microwave digestion / DIN EN ISO 11885 (2009), analysis by ICP.	PASS

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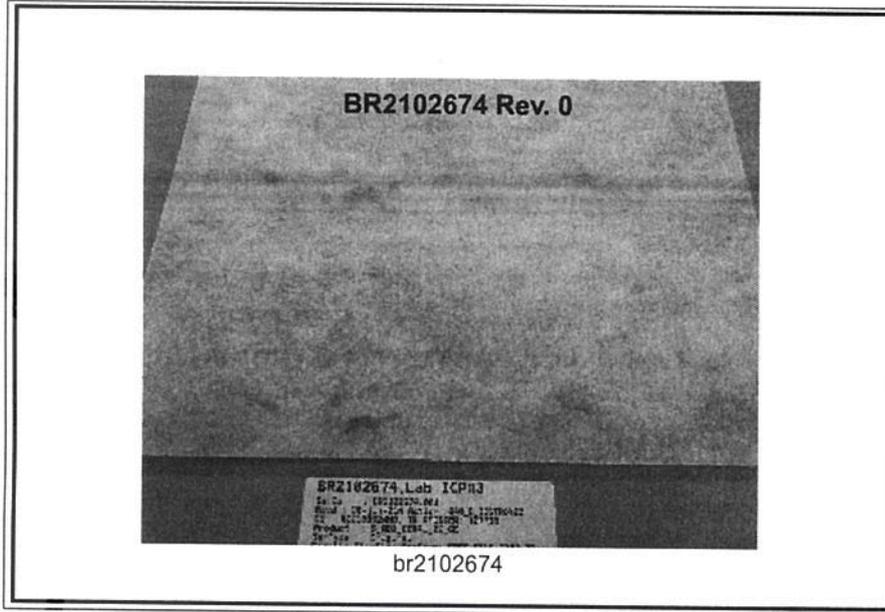
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pH Value	With reference to BS ISO 3071:2020.	PASS
Pentachlorophenol (PCP), Tetrachlorophenol (TeCP) and Trichlorophenol (TriCP)	Textile: Extraction with KOH. Analysis by GC-MS Leather: With reference to ISO 17070: 2015. Analysis was performed by GC-MS	PASS
AZO Dyes	With reference to EN ISO 14362-1:2017 & EN ISO 14362-3: 2017, analysis was performed with GC-MS/LC-DAD.	PASS
Formaldehyde	With reference to ISO 14184-1: 2011; analysis was performed by UV-Vis.	PASS
Disperse Dyes	With reference to DIN 54231:2005, analysis was performed by HPLC-DAD-MSD.	PASS
Organotin Compounds	With reference to ISO 16179:2012, analysis was performed by GC-MS.	PASS
Phthalates	With reference to ISO 14389:2014; Analysis was performed by GC-MS/CPSC Method CPSC-CH-C1001.09.4:2018	PASS
Short Chained Chlorinated Paraffin (SCCP) and Medium Chained Chlorinated Paraffin (MCCP)	With reference to DIN EN ISO 18219:2016-02; analysis was performed by LC/MS-MS.	PASS
Nonylphenol (NP) and Octylphenol (OP)	Sample preparation by solvent extraction (EN ISO 21084: 2019), analysis performed by GC-MS.	PASS
Nonylphenol Ethoxylates (NPEOs) and Octylphenol Ethoxylates (OPEOs)	Sample preparation by solvent extraction (EN ISO 18254/16), analysis performed by LC-MS.	PASS

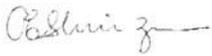
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Sample Photo :



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	BR2102674.001	Familia Stanflex Ecoforma FREE FRVS 0252 AD

Extractable Metals (DIN EN ISO 105-E04:2013, 11885:2009 & 12846:2012)

Test Method : With reference to EN 16711-2:2016. Analysis was performed by ICP-OES / ICP-MS

Test Item(s)	CAS-NO.	Client	RL	Unit	Result
		Requeriment			001
Antimony (Sb)	7440-36-0	Max. 30.00	0.03	mg/kg	ND
Cadmium (Cd)	7440-43-9	Max. 0.10	0.03	mg/kg	ND
Chromium (Cr)	7440-47-3	-	0.03	mg/kg	ND
Lead (Pb)	7439-92-1	-	0.03	mg/kg	ND
Mercury (Hg)	7439-97-6	Max. 0.02	0.02	mg/kg	ND
					<b>PASS</b>

**Conclusion**

Notes :

Specification: Lead (Pb): Infant Limit: 0.2 ppm/Adult Limit: 1.0 ppm; Chromium (Cr): Infant Limit: 1 ppm/Adult Limit: 2 ppm;

Total Heavy Metals

Test Method : Microwave digestion / DIN EN ISO 11885 (2009), analysis by ICP.

Test Item(s)	CAS-NO.	Client	RL	Unit	Result
		Requeriment			001
Cadmium (Cd)	7440-43-9	Max. 40.00	0.01	mg/kg	0.570
Lead (Pb)	7439-92-1	Max. 40.00	0.16	mg/kg	ND
					<b>PASS</b>

**Conclusion**

pH Value

Test Method : With reference to BS ISO 3071:2020.

Test Item(s)	Client	RL	Unit	Result
	Requeriment			001
pH Value of Aqueous Extract	4.00 - 7.50	-	-	7.01
				<b>PASS</b>

**Conclusion**

Pentachlorophenol (PCP), Tetrachlorophenol (TeCP) and Trichlorophenol (TriCP)

Test Method : Textile: Extraction with KOH. Analysis by GC-MS  
Leather: With reference to ISO 17070: 2015. Analysis was performed by GC-MS

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Test Item(s)	CAS-NO.	Client	RL	Unit	Result
		Requeriment			
Pentachlorophenol (PCP)	87-86-5	-	0.050	mg/kg	ND
PCP+TRICP+TECP		-	0.050	mg/kg	ND
<b>Conclusion</b>					<b>PASS</b>

### Notes :

Specification: Infant Limit: 0.05 ppm/ Adult Limit: 0.5 ppm.

### AZO Dyes

Test Method : With reference to EN ISO 14362-1:2017 & EN ISO 14362-3: 2017, analysis was performed with GC-MS/LC-DAD.

Test Item(s)	CAS-NO.	Client	RL	Unit	Result
		Requeriment			
4-Aminobiphenyl	92-67-1	Max. 20.0	5.0	mg/kg	ND
Benzidine	92-87-5	Max. 20.0	5.0	mg/kg	ND
4-chloro-o-toluidine	95-69-2	Max. 20.0	5.0	mg/kg	ND
2-naphthylamine	91-59-8	Max. 20.0	5.0	mg/kg	ND
o-aminoazotoluene	97-56-3	Max. 20.0	5.0	mg/kg	ND
2-amino-4-nitrotoluene	99-55-8	Max. 20.0	5.0	mg/kg	ND
4-chloroaniline	106-47-8	Max. 20.0	5.0	mg/kg	ND
2,4-diamino-anisole	615-05-4	Max. 20.0	5.0	mg/kg	ND
4,4'-diaminodiphenylmethane	101-77-9	Max. 20.0	5.0	mg/kg	ND
3,3'-dichlorobenzidine	91-94-1	Max. 20.0	5.0	mg/kg	ND
3,3'-dimethoxybenzidine	119-90-4	Max. 20.0	5.0	mg/kg	ND
3,3'-dimethylbenzidine	119-93-7	Max. 20.0	5.0	mg/kg	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	Max. 20.0	5.0	mg/kg	ND
p-cresidine	120-71-8	Max. 20.0	5.0	mg/kg	ND
4,4'-methylene-bis-(2-chloroaniline)	101-14-4	Max. 20.0	5.0	mg/kg	ND
4,4'-oxydianiline	101-80-4	Max. 20.0	5.0	mg/kg	ND
4,4'-thiodianiline	139-65-1	Max. 20.0	5.0	mg/kg	ND
o-toluidine	95-53-4	Max. 20.0	5.0	mg/kg	ND
2,4-Toluyldiamine	95-80-7	Max. 20.0	5.0	mg/kg	ND
2,4,5-trimethylaniline	137-17-7	Max. 20.0	5.0	mg/kg	ND
2,4-Xylidine	95-68-1	Max. 20.0	5.0	mg/kg	ND
2,6-Xylidine	87-62-7	Max. 20.0	5.0	mg/kg	ND
O-Anisidine	90-04-0	Max. 20.0	5.0	mg/kg	ND
4-aminoazobenzene	60-09-3	Max. 20.0	5.0	mg/kg	ND
<b>Conclusion</b>					<b>PASS</b>

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Notes: Results over 1/2 or 1/3 of test requirement indicate a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement.

4-Aminodiphenyl CAS 92-67-1, 2-Naphtylamine CAS 91-59-8 and 4-Methoxy-m-phenylene-diamine CAS 615-05-4 can be indirectly generated from some colorants which do not contain these amines azo bound. 4,4'-methylene-dianiline CAS 101-77-9 and 2,4-toluylen-diamine CAS 95-80-7 may be released from polyurethane or chemical fixing agent. The use of banned azo colorants cannot be reliably ascertained without additional information.

The ISO 14362-1:2017 method will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine. If aniline and/or 1,4-phenylenediamine is not detected by mentioned test method, test result for 4-aminoazobenzene CAS 60-09-3 is considered as 'not detected'. Otherwise, the test method of ISO 14362-3:2017 will be employed to verify the presence of 4-aminoazobenzene.

#### Formaldehyde

Test Method : With reference to ISO 14184-1: 2011; analysis was performed by UV-Vis.

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Client Requirement</u>	<u>RL</u>	<u>Unit</u>	<u>Result</u>
Formaldehyde	50-00-0	-	5.00	mg/kg	ND
<b>Conclusion</b>					<b>PASS</b>

#### Notes :

Specification: Adult Limit: 75 ppm / Infant Limit: 16 ppm (only appareal: 20 ppm for sizes 98 to 176)

#### Disperse Dyes

Test Method : With reference to DIN 54231:2005, analysis was performed by HPLC-DAD-MSD.

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Client Requirement</u>	<u>RL</u>	<u>Unit</u>	<u>Result</u>
Disperse Blue 1	2475-45-8	Max. 50.0	0.4	mg/L	ND
Disperse Blue 3	2475-46-9	Max. 50.0	0.4	mg/L	ND
Disperse Blue 7	3179-90-6	Max. 50.0	0.4	mg/L	ND
Disperse Blue 26	3860-63-7	Max. 50.0	0.4	mg/L	ND
Disperse Blue 35	12222-75-2	Max. 50.0	0.4	mg/L	ND
Disperse Blue 102	12222-97-8	Max. 50.0	0.4	mg/L	ND
Disperse Blue 106	12223-01-7	Max. 50.0	0.4	mg/L	ND
Disperse Blue 124	61951-51-7	Max. 50.0	0.4	mg/L	ND
Disperse Brown 1	23355-64-8	Max. 50.0	0.4	mg/L	ND
Disperse Yellow 1	119-15-3	Max. 50.0	0.4	mg/L	ND
Disperse Yellow 3	2832-40-8	Max. 50.0	0.4	mg/L	ND
Disperse Yellow 9	6373-73-5	Max. 50.0	0.4	mg/L	ND
Disperse Yellow 23	6250-23-3	Max. 50.0	0.4	mg/L	ND
Disperse Yellow 39	12236-29-2	Max. 50.0	0.4	mg/L	ND
Disperse Yellow 49	54824-37-2	Max. 50.0	0.4	mg/L	ND
Disperse Orange 1	2581-69-3	Max. 50.0	0.4	mg/L	ND
Disperse Orange 3	730-40-5	Max. 50.0	0.4	mg/L	ND

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<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Client Requiriment</u>	<u>RL</u>	<u>Unit</u>	<u>Result</u>
Disperse Orange 11	82-28-0	Max. 50.0	0.4	mg/L	ND
Disperse Orange37/59/76	13301-61-6	Max. 50.0	0.4	mg/L	ND
Disperse Orange37/59/76	51811-42-8	Max. 50.0	0.4	mg/L	ND
Disperse Orange37/59/76	12223-33-5	Max. 50.0	0.4	mg/L	ND
Disperse Orange149	85136-74-9	Max. 50.0	0.4	mg/L	ND
Disperse Red 1	2872-52-8	Max. 50.0	0.4	mg/L	ND
Disperse Red 11	2872-48-2	Max. 50.0	0.4	mg/L	ND
Disperse Red 17	3179-89-3	Max. 50.0	0.4	mg/L	ND
Acid Red 26	3761-53-3	Max. 50.0	0.4	mg/L	ND
Basic Red 9	569-61-9	Max. 50.0	0.4	mg/L	ND
Basic Violet 14	632-99-5	Max. 50.0	0.4	mg/L	ND
Direct Black 38	1937-37-7	Max. 50.0	0.4	mg/L	ND
Direct Blue 6	2602-46-2	Max. 50.0	0.4	mg/L	ND
Direct Red 28	573-58-0	Max. 50.0	0.4	mg/L	ND
Basic Blue 26	2580-56-5	Max. 50.0	0.4	mg/L	ND
Basic Violet 3	548-62-9	Max. 50.0	0.4	mg/L	ND
<b>Conclusion</b>					<b>PASS</b>

Organotin Compounds

Test Method : With reference to ISO 16179:2012, analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Client Requiriment</u>	<u>RL</u>	<u>Unit</u>	<u>Result</u>
Monobutyl tin (MBT)	78763-54-9	Max. 1.00	0.01	mg/kg	ND
Monoocetyl tin (MOT)	15231-57-9	Max. 1.00	0.01	mg/kg	ND
Dibutyl tin (DBT)	1002-53-5	Max. 1.00	0.01	mg/kg	ND
Dioctyl tin (DOT)	15231-44-4	Max. 1.00	0.01	mg/kg	ND
Triocetyl tin (TOT)	869-59-0	Max. 1.00	0.01	mg/kg	ND
Tributyl tin (TBT)	688-73-3	ND	0.05	mg/kg	ND
Triphenyl tin (TPHT)	892-20-6	Max. 0.50	0.01	mg/kg	ND
<b>Conclusion</b>					<b>PASS</b>

Phthalates

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

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Client Requiriment</u>	<u>RL</u>	<u>Unit</u>	<u>Result</u>
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<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Client Requeriment</u>	<u>RL</u>	<u>Unit</u>	<u>Result 001</u>
Diisononyl Phthalate (DINP)	28553-12-0	-	60.00	mg/kg	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	60.00	mg/kg	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	60.00	mg/kg	ND
Diisodecyl Phthalate (DIDP)	26761-40-0	-	60.00	mg/kg	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	60.00	mg/kg	ND
Dibutyl Phthalate (DBP)	84-74-2	-	60.00	mg/kg	ND
Diisobutyl Phthalate (DIBP)	84-69-5	-	60.00	mg/kg	ND
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	-	60.00	mg/kg	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	-	60.00	mg/kg	ND
Di-n-hexyl Phthalate (DnHP)	84-75-3	-	60.00	mg/kg	ND
Bis(2-methoxyethyl) Phthalate (DMEP)	117-82-8	-	60.00	mg/kg	ND
Dipentyl Phthalate (DPP)	131-18-0	-	60.00	mg/kg	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	-	60.00	mg/kg	ND
Diisopentyl Phthalate (DIPP)	605-50-5	-	60.00	mg/kg	ND
Diethyl Phthalate (DEP)	84-66-2	-	60.00	mg/kg	ND
Di-iso-hexylphthalate (DIHxP)	71850-09-4	-	60.00	mg/kg	ND
Sum		Max. 500.00	-	mg/kg	ND

**Conclusion**

**PASS**

Short Chained Chlorinated Paraffin (SCCP) and Medium Chained Chlorinated Paraffin (MCCP)

Test Method : With reference to DIN EN ISO 18219:2016-02; analysis was performed by LC/MS-MS.

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Client Requeriment</u>	<u>RL</u>	<u>Unit</u>	<u>Result 001</u>
Short Chained Chlorinated Paraffin (SCCP)	85535-84-8	Max. 1000	50	mg/kg	ND

**Conclusion**

**PASS**

Nonylphenol (NP) and Octylphenol (OP)

Test Method : Sample preparation by solvent extraction (EN ISO 21084: 2019), analysis performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Client Requeriment</u>	<u>RL</u>	<u>Unit</u>	<u>Result 001</u>
Nonylphenol (NP)	25154-52-3	Max. 10.00	1.00	mg/kg	ND
Octylphenol (OP)	27193-28-8	Max. 10.00	1.00	mg/kg	ND

**Conclusion**

**PASS**

Nonylphenol Ethoxylates (NPEOs) and Octylphenol Ethoxylates (OPEOs)

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Test Method : Sample preparation by solvent extraction (EN ISO 18254/16), analysis performed by LC-MS.

Test Item(s)	CAS-NO.	Client	RL	Unit	Result
		Requeriment			001
Nonylphenol ethoxylates (NPEO)	9016-45-9	-	1.00	mg/kg	ND
Octylphenol ethoxylates (OPEO)	9002-93-1	-	1.00	mg/kg	ND
Sum of (NP,OP, NPEO and OPEO )		Max. 100.00	1.00	mg/kg	ND
<b>Conclusion</b>					<b>PASS</b>

### 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.

The test Short Chain Chloroparaffins (C10-C13) (SCCPs) is not part of the scope of testing of this laboratory and was produced by a subcontracted laboratory. The outsourced test was performed by laboratory SGS Hong Kong Limited, report number SL12100284902801TX.

**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.**

\*\*\* 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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