

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

| SUPPLIER INFORMATION | |
|--------------------------|---------------------------------|
| Supplier Name | Boxflex Componente Para Calçado |
| Supplier Location | Boxflex Componente Para Calçado |

| GENERAL INFORMATION | |
|---------------------------|---|
| Brand Tested For | |
| Product Type | Footwear |
| Licensee | Not Added |
| Testing Type | Production-ready material |
| Material Name | Stanflex Ecoforma FREE FRVS 0252 N |
| Material Number | R0000020115 |
| PDM Number | Not Added |
| Material ID | AJ4145-090 |
| Color Code | Not Added |
| Color Name | Not Added |
| Color Way | Not Added |
| Sample Description | Família Stanflex Ecoforma FREE FRVS 0252 N |
| Material Types | PLASTICS, THERMOPLASTICS, POLYMERSEVA, PU, Rigid Plastic, TPU, Foam, Rubber - PU & TPU Materials - other than foams & synthetic leather |
| Test Packages | 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 |
| Diocetyl tin (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 s 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 |
| Triocetyl tin (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 Ensaio | Relatório de Ensaio | Ordem de Serviço | Folha |
| Físico-químicos | Nº. 4259/21 | Nº. 1822/21 | 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 | | | |
|---|------------|----------------------|---------|------------------------------------|
| | Númerico | 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 ¹ | <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 |

¹ 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 METALMECÂNICA – CETEMP e válido até 04/2022.

Estância Velha, 17 de setembro de 2021.


Técnico Analista
Guinter Schwingel
CRQ 05201411

Instituto SENAI de Tecnologia em Couro e Meio Ambiente

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

(51) 3904-2735 | laboratorios.couro@senairs.org.br | institutossenai.org.br

Revisão 04
LBS



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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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| | | |
|--|--|------|
| 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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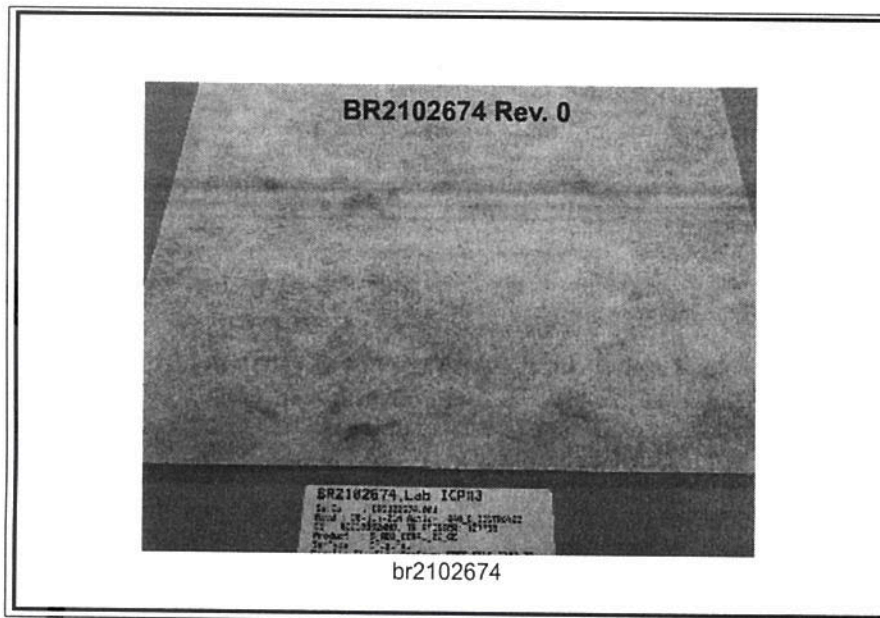
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Sample Photo :



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 Requeriment | RL | Unit | Result 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 |
| | | | | | PASS |

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 Requeriment | RL | Unit | Result 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 |
| | | | | | PASS |

Conclusion

pH Value

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

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

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 Requeriment | RL | Unit | Result 001 |
|-------------------------|---------|-----------------------|-------|-------|---------------|
| Pentachlorophenol (PCP) | 87-86-5 | - | 0.050 | mg/kg | ND |
| PCP+TRICP+TECP | | - | 0.050 | mg/kg | ND |
| Conclusion | | | | | PASS |

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 Requeriment | RL | Unit | Result 001 |
|---|----------|-----------------------|-----|-------|---------------|
| 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 |
| Conclusion | | | | | PASS |

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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.

| Test Item(s) | CAS-NO. | Client Requeriment | RL | Unit | Result 001 |
|-------------------|---------|-----------------------|------|-------|---------------|
| Formaldehyde | 50-00-0 | - | 5.00 | mg/kg | ND |
| Conclusion | | | | | PASS |

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.

| Test Item(s) | CAS-NO. | Client Requeriment | RL | Unit | Result 001 |
|--------------------|------------|-----------------------|-----|------|---------------|
| 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</u> <u>Requeriment</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> <u>001</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 |
| Conclusion | | | | | PASS |

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</u> <u>Requeriment</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> <u>001</u> |
|----------------------|----------------|-------------------------------------|-----------|-------------|-----------------------------|
| Monobutyl tin (MBT) | 78763-54-9 | Max. 1.00 | 0.01 | mg/kg | ND |
| Monooctyl 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 |
| Diocetyl 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 |
| Conclusion | | | | | PASS |

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</u> <u>Requeriment</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> <u>001</u> |
|---------------------|----------------|-------------------------------------|-----------|-------------|-----------------------------|
|---------------------|----------------|-------------------------------------|-----------|-------------|-----------------------------|

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| <u>Test Item(s)</u> | <u>CAS-NO.</u> | <u>Client</u> <u>Requeriment</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> <u>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</u> <u>Requeriment</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> <u>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</u> <u>Requeriment</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> <u>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 |
| Conclusion | | | | | PASS |

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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