



Test Report

No. BR2301528 Rev. 0

Date: Barueri, 14 Jun 2023

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CBR INDUSTRIA E COMERCIO DE COUROS LTDA

R SILVIO CORBETTA

158

MUCUM, RS 95970000

BRAZIL

The following sample(s) was/were submitted and identified on behalf of the buyer as: Biodegradable Leather

SGS Order No. : 400000005638
Total of Sample : 01 Sample
Sample Number : BR2301528.001
Component No. : 1
Sample Description : Biodegradable Leather
Material Name : Coated leather
Colour : White
Remark : N/A
Lot Number : 309625
Project : VEJA
Test Product : LEATHER WITH COVER
Mix : NO
Sample composed of fibers of plant origin : NO
Sample contains PVC or recycled material in the composition : NO
water repellent material : NO
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 PR23-521745 REV00
Sample Receiving Date : 19 May 2023
Test Performing Period : 19 May 2023 - 14 Jun 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

Component Lis/List of Materials :

| Sample No. | Component No. | Description | Material | Colour | Remark |
|---------------|---------------|-----------------------|----------------|--------|--------|
| BR2301528.001 | 1 | Biodegradable Leather | Coated leather | White | N/A |

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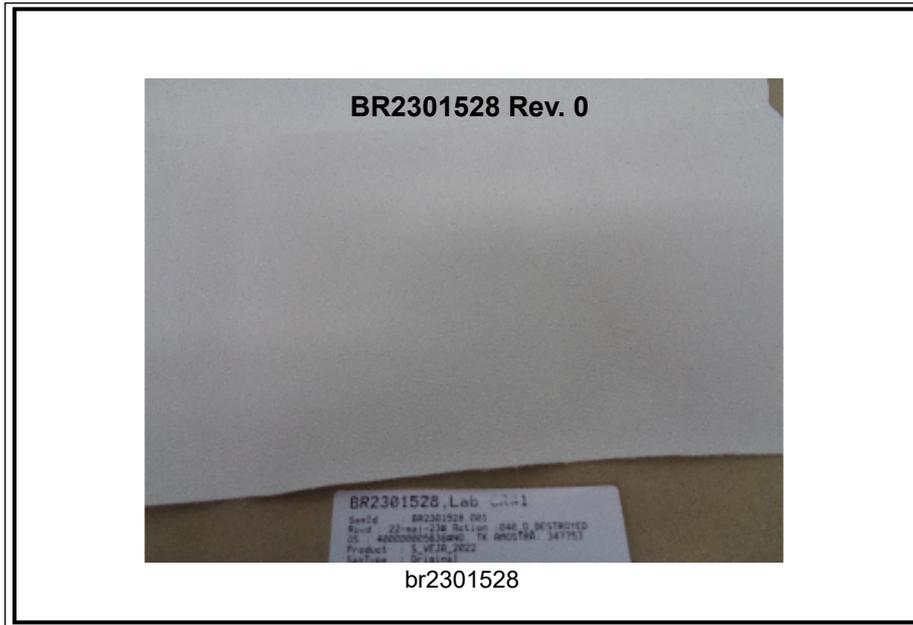
Summary of Test Result:

| Test Parameter | Test Method | Conclusion |
|---|---|------------|
| Extractable Heavy Metal | DIN EN 16711-2:2016, Analysis was conducted by ICP-MS | PASS |
| 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 |
| Hexavalent Chromium with aging | Aging of the sample is required according to BS ISO 10195 (2018) Method A2 (24h, 80°C, max. 10%rH, usage of a non-ventilated oven) and EN ISO 17075:2017. | PASS |
| Monomer - Vinyl Chloride | With reference to EN ISO 6401:2008. Analysis was conducted by headspace GC-MS. | PASS |
| pH Value | With reference to BS ISO 3071:2020. | 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 |
| AZO Dyes | With reference to EN ISO 14362-1:2017 & EN ISO 14362-3: 2017, analysis was performed with GC-MS/LC-DAD. | PASS |
| Chlorinated Paraffins | With reference to ISO 22818:2021. Analysis was conducted by GC-NCI-MS. | PASS |
| Formaldehyde | With reference to ISO 14184-1: 2011; analysis was performed by UV-Vis. | PASS |
| Organotin Compounds | With reference to ISO 16179:2012, analysis was performed by GC-MS | PASS |
| Ortho-phenylphenol (OPP) | DIN 50009:2021 | PASS |
| Phthalates | With reference to ISO 14389:2014; Analysis was performed by GC-MS/CPSC Method CPSC-CH-C1001.09.4:2018 | PASS |
| Polycyclic aromatic hydrocarbons (PAH) | With reference to AfPS GS 2019:01 PAK. Analysis was performed by GC-MS. | PASS |
| Quinoline | DIN 54231:2005, Analysis was conducted by LCMS/DAD | PASS |
| Residual Solvent (ISO 16189/13) | ISO 16189/13, extration with organic solvent, analysis was performed by GC-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 :

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 | - | 10.00 | mg/kg | ND |
| Octylphenol (OP) | 27193-28-8 | - | 10.00 | mg/kg | ND |
| Sum of NP and OP (AP) | | Max. 10.00 | 10.00 | mg/kg | ND |
| Conclusion | | | | | PASS |

Nonylphenol Ethoxylates (NPEOs) and Octylphenol Ethoxylates (OPEOs)

Test Method : Sample preparation by solvent extraction (EN ISO 18254/16), analysis performed by LC-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 ethoxylates (NPEO) | 9016-45-9 | - | 20.00 | mg/kg | ND |
| Octylphenol ethoxylates (OPEO) | 9002-93-1 | - | 20.00 | mg/kg | ND |
| Sum of (NP,OP, NPEO and OPEO) | | Max. 100.00 | 20.00 | mg/kg | ND |
| Conclusion | | | | | PASS |

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.

| <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> |
|---|----------------|-------------------------------------|-----------|-------------|-----------------------------|
| 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 |

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| <u>Test Item(s)</u> | <u>CAS-NO.</u> | <u>Client Requirement</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> |
|---|----------------|---------------------------|-----------|-------------|---------------|
| 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-Toluylendiamine | 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 |
| 4-aminoazobenzene | 60-09-3 | Max. 20.0 | 5.0 | mg/kg | ND |
| O-Anisidine | 90-04-0 | 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 |
| 4-Chloro-o-toluidinium chloride | 3165-93-3 | Max. 20.0 | 5.0 | mg/kg | ND |
| 2-Naphthylammoniumacetate | 553-00-4 | Max. 20.0 | 5.0 | mg/kg | ND |
| 4-Methoxy-m-phenylene diammonium sulphate | 39156-41-7 | Max. 20.0 | 5.0 | mg/kg | ND |
| 2,4,5-Trimethylamine hydrochloride | 21436-97-5 | Max. 20.0 | 5.0 | mg/kg | ND |

Conclusion
PASS

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.

Chlorinated Paraffins

Test Method : With reference to ISO 22818:2021. Analysis was conducted by GC-NCI-MS.

| <u>Test Item(s)</u> | <u>CAS-NO.</u> | <u>Client Requirement</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> |
|--|----------------|---------------------------|-----------|-------------|---------------|
| Short Chained Chlorinated Paraffin (SCCP) | 85535-84-8 | Max. 1000 | 100 | mg/kg | ND |
| Medium Chained Chlorinated Paraffin (MCCP) | 85535-85-9 | Max. 1000 | 100 | mg/kg | ND |

Conclusion
PASS
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> |
|---------------------|----------------|---------------------------|-----------|-------------|---------------|
|---------------------|----------------|---------------------------|-----------|-------------|---------------|

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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> |
|---------------------|----------------|-------------------------------------|-----------|-------------|-----------------------------|
| Formaldehyde | 50-00-0 | Max. 16.00 | 16.00 | mg/kg | ND |
| Conclusion | | | | | PASS |

Extractable Heavy Metal

Test Method : DIN EN 16711-2:2016, Analysis was conducted by ICP-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> |
|---------------------|----------------|-------------------------------------|-----------|-------------|-----------------------------|
| Antimony (Sb) | 7440-36-0 | Max. 30.000 | 3.000 | mg/kg | ND |
| Arsenic (As) | 7440-38-2 | Max. 0.200 | 0.100 | mg/kg | ND |
| Barium (Ba) | 7440-39-3 | Max. 1000.000 | 100.00 | mg/kg | ND |
| | | | 0 | | |
| Cadmium (Cd) | 7440-43-9 | Max. 0.100 | 0.050 | mg/kg | ND |
| Chromium (Cr) | 7440-47-3 | Max. 1.000 | 0.500 | mg/kg | 0.978 |
| Cobalt (Co) | 7440-48-4 | Max. 1.000 | 0.500 | mg/kg | ND |
| Copper (Cu) | 7440-50-8 | Max. 25.000 | 5.000 | mg/kg | ND |
| Lead (Pb) | 7439-92-1 | Max. 0.200 | 0.100 | mg/kg | ND |
| Mercury (Hg) | 7439-97-6 | Max. 0.020 | 0.020 | mg/kg | ND |
| Selenium (Se) | 7782-49-2 | Max. 500.000 | 50.000 | mg/kg | ND |
| Conclusion | | | | | PASS |

Total Heavy Metals

Test Method : DIN EN 16711-1:2016, Analysis was conducted by ICP-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> |
|---------------------|----------------|-------------------------------------|-----------|-------------|-----------------------------|
| 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 | ND |
| Conclusion | | | | | PASS |

Non-Metal Products

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

| <u>Test Item(s)</u> | <u>Client</u> <u>Requeriment</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> <u>001</u> |
|---------------------|-------------------------------------|-----------|-------------|-----------------------------|
| Lead (Pb) | Max. 40.00 | 10.00 | mg/kg | ND |
| Conclusion | | | | PASS |

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Hexavalent Chromium with aging

Test Method : Aging of the sample is required according to BS ISO 10195 (2018) Method A2 (24h, 80°C, max. 10%rH, usage of a non-ventilated oven) and EN ISO 17075:2017.

| <u>Test Item(s)</u> | <u>CAS-NO.</u> | <u>Client Requeriment</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> |
|--------------------------------|----------------|---------------------------|-----------|-------------|---------------|
| Hexavalent Chromium with aging | 18540-29-9 | Max. 3.000 | 0.625 | mg/kg | 1.062 |
| Conclusion | | | | | PASS |

Monomer - Vinyl Chloride

Test Method : With reference to EN ISO 6401:2008. Analysis was conducted by headspace GC-MS.

| <u>Test Item(s)</u> | <u>CAS-NO.</u> | <u>Client Requeriment</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> |
|---------------------|----------------|---------------------------|-----------|-------------|---------------|
| Vinyl Chloride | 75-01-4 | Max. 1 | 1 | mg/kg | 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 Requeriment</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> |
|---------------------------|----------------|---------------------------|-----------|-------------|---------------|
| Dibutyl tin (DBT) | 1002-53-5 | Max. 1.00 | 0.10 | mg/kg | ND |
| Diocetyl tin (DOT) | 15231-44-4 | Max. 1.00 | 0.10 | mg/kg | ND |
| Monobutyl tin (MBT) | 78763-54-9 | Max. 1.00 | 0.10 | mg/kg | ND |
| Tricyclohexyl tin (TCyHT) | 892-20-6 | Max. 1.00 | 0.10 | mg/kg | ND |
| Trimethyltin (TMT) | | Max. 1.00 | 0.10 | mg/kg | ND |
| Triocetyl tin (TOT) | 869-59-0 | Max. 1.00 | 0.10 | mg/kg | ND |
| Tripropyltin (TPT) | | Max. 1.00 | 0.10 | mg/kg | ND |
| Tributyl tin (TBT) | 688-73-3 | Max. 0.10 | 0.10 | mg/kg | ND |
| Triphenyl tin (TPHT) | 892-20-6 | Max. 0.50 | 0.10 | mg/kg | ND |
| Conclusion | | | | | PASS |

Ortho-phenylphenol (OPP)

Test Method : DIN 50009:2021

| <u>Test Item(s)</u> | <u>CAS-NO.</u> | <u>Client Requeriment</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> |
|--------------------------|----------------|---------------------------|-----------|-------------|---------------|
| Ortho-phenylphenol (OPP) | 90-43-7 | Max. 1000.00 | 0.50 | mg/kg | 190.28 |
| Conclusion | | | | | PASS |

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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. | Client | | | Result |
|---|-------------|--------------|--------|-------|--------|
| | | Requeriment | RL | Unit | |
| 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 |
| 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 (DHNUF) | 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 |

Conclusion
PASS
Polycyclic aromatic hydrocarbons (PAH)

Test Method : With reference to AfPS GS 2019:01 PAK. Analysis was performed by GC-MS.

| Test Item(s) | CAS-NO. | Client | | | Result |
|--------------|---------|-------------|----|------|--------|
| | | Requeriment | RL | Unit | |

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Test Report

No. BR2301528 Rev. 0

Date: Barueri, 14 Jun 2023

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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> |
|-------------------------------|----------------|-------------------------------------|-----------|-------------|-----------------------------|
| Acenaphthene (ANA) | 83-32-9 | - | 0.20 | mg/kg | ND |
| Acenaphthylene (ANY) | 208-96-8 | - | 0.20 | mg/kg | ND |
| Anthracene (ANT) | 120-12-7 | - | 0.20 | mg/kg | ND |
| Benzo(g,h,i)perylene (BPE) | 191-24-2 | - | 0.20 | mg/kg | ND |
| Fluorene (FLU) | 86-73-7 | - | 0.20 | mg/kg | ND |
| Fluoranthene (FLT) | 206-44-0 | - | 0.20 | mg/kg | ND |
| Indeno(1,2,3-c,d)pyrene (IPY) | 193-39-5 | - | 0.20 | mg/kg | ND |
| Naphthalene (NAP) | 91-20-3 | - | 0.20 | mg/kg | ND |
| Phenanthrene(PHE) | 85-01-8 | - | 0.20 | mg/kg | ND |
| Pyrene (PYR) | 129-00-0 | - | 0.20 | mg/kg | ND |
| Benzo(a)anthracene (BaA) | 56-55-3 | Max. 0.50 | 0.20 | mg/kg | ND |
| Benzo(a)pyrene (BaP) | 50-32-8 | Max. 0.50 | 0.20 | mg/kg | ND |
| Benzo(b)fluoranthene (BbF) | 205-99-2 | Max. 0.50 | 0.20 | mg/kg | ND |
| Benzo(e)pyrene (BeP) | 192-97-2 | Max. 0.50 | 0.20 | mg/kg | ND |
| Benzo(j)fluoranthene (BjF) | 205-82-3 | Max. 0.50 | 0.20 | mg/kg | ND |
| Benzo(k)fluoranthene (BkF) | 207-08-9 | Max. 0.50 | 0.20 | mg/kg | ND |
| Chrysene (CHR) | 218-01-9 | Max. 0.50 | 0.20 | mg/kg | ND |
| Dibenzo(a,h)anthracene (DBA) | 53-70-3 | Max. 0.50 | 0.20 | mg/kg | ND |
| Sum of 18 PAHs | | Max. 10.00 | - | mg/kg | ND |

Conclusion

PASS

Quinoline

Test Method : DIN 54231:2005, Analysis was conducted by LCMS/DAD

| <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> |
|---------------------|----------------|-------------------------------------|-----------|-------------|-----------------------------|
| Quinoline | 91-22-6 | Max. 50 | 10 | mg/kg | ND |

Conclusion

PASS

Residual Solvent (ISO 16189/13)

Test Method : ISO 16189/13, extration with organic solvent, 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> |
|------------------------------|----------------|-------------------------------------|-----------|-------------|-----------------------------|
| Dimethylformamide (DMFA) | 68-12-2 | Max. 500.00 | 50.00 | mg/kg | ND |
| Dimethylacetamida (DMAC) | 127-19-5 | Max. 1000.00 | 50.00 | mg/kg | ND |
| N-methyl-2-pyrrolidone (NMP) | 872-50-4 | Max. 1000.00 | 50.00 | mg/kg | ND |
| Formamide | 75-12-7 | Max. 1000.00 | 50.00 | mg/kg | ND |

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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</u> |
|---------------------|----------------|---------------------------|-----------|-------------|---------------|
| Conclusion | | | | | PASS |

pH Value

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

| <u>Test Item(s)</u> | <u>CAS-NO.</u> | <u>Client Requeriment</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u> |
|-----------------------------|----------------|---------------------------|-----------|-------------|---------------|
| pH Value of Aqueous Extract | | 4.00 - 7.50 | - | - | 4.02 |
| 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 Chlorinated Paraffins 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 SL12300283622301TX.

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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