



## Test Report

No. BR2301072 Rev. 0

Date: Barueri, 14 Apr 2023

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FITAS REAL INDUSTRIA E COMÉRCIO DE EMBALAGENS LTDA  
RUA EMANCIPAÇÃO, 510  
VALE REAL  
RS

The following sample(s) was/were submitted and identified on behalf of the buyer as: FITA REALBAND AZUL 70MM C/R C/IMP SECURITY SEAL COR PRETA (VEJA) / FITA REALBAND VERMELHA 70MM C/R C/IMP SECURITY SEAL COR PRETA (VEJA) / FITA REALBAND PARDA 70MM C/R C/IMP SECURITY SEAL COR PRETA (VEJA)

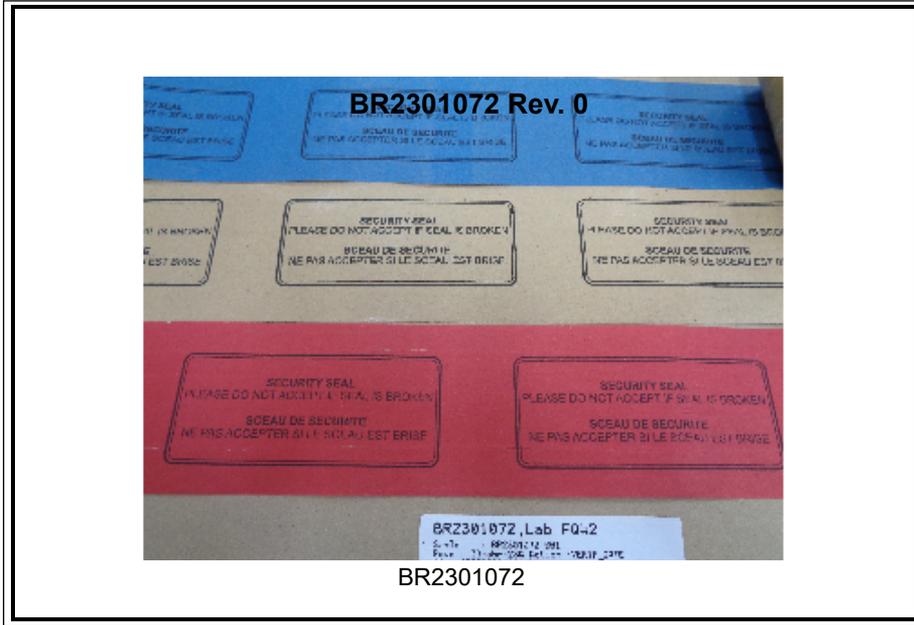
SGS Order No. : 400000004329  
Total of Sample : 03 SAMPLES  
Lot Number : REALBAND10032023/VJ  
Test Packaging : Paper and Cardboard / Printed  
Mix : YES  
Colors : Azul / Vermelha / Preta  
Sample composed of fibers of plant origin : YES  
Sample contains PVC or recycled material in the composition : 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 PR23-326563 REV00  
Sample Receiving Date : 03 Apr 2023  
Test Performing Period : 04 Apr 2023 - 13 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        | BR2301072.001 | FITA REALBAND AZUL 70MM C/R C/IMP SECURITY SEAL COR PRETA (VEJA) / FITA REALBAND VERMELHA 70MM C/R C/IMP SECURITY SEAL COR PRETA (VEJA) / FITA REALBAND PARDA 70MM C/R C/IMP SECURITY SEAL COR PRETA (VEJA) |

### Nonylphenol (NP) and Octylphenol (OP)

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

| Test Item(s)          | CAS-NO.    | Limit       | RL    | Unit  | Result |
|-----------------------|------------|-------------|-------|-------|--------|
| 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. 100.00 | 10.00 | mg/kg | ND     |

### Nonylphenol Ethoxylates (NPEOs) and Octylphenol Ethoxylates (OPEOs)

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

| Test Item(s)                   | CAS-NO.   | Limit       | RL    | Unit  | Result |
|--------------------------------|-----------|-------------|-------|-------|--------|
| Nonylphenol ethoxylates (NPEO) | 9016-45-9 | -           | 20.00 | mg/kg | ND     |
| Octylphenol ethoxylates (OPEO) | 9002-93-1 | -           | 20.00 | mg/kg | ND     |
| Sum of NPEO and OPEO           |           | Max. 100.00 | -     | mg/kg | ND     |

### 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.  | Limit     | RL  | Unit  | Result |
|-----------------------------|----------|-----------|-----|-------|--------|
| 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     |

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| <u>Test Item(s)</u>                       | <u>CAS-NO.</u> | <u>Limit</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u><br><b>001</b> |
|---|----------------|--------------|-----------|-------------|-----------------------------|
| 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                          |
| 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                          |

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. <br>4-Aminodiphenyl CAS 92-67-1, 2-Naphthylamine 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. <br>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>Limit</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u><br><b>001</b> |
|---------------------|----------------|--------------|-----------|-------------|-----------------------------|
| Formaldehyde        | 50-00-0        | Max. 150.00  | 16.00     | mg/kg       | ND                          |

### 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>Limit</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u><br><b>001</b> |
|---------------------|----------------|--------------|-----------|-------------|-----------------------------|
| Cadmium (Cd)        | 7440-43-9      | -            | 5.00      | 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> | <u>Result</u><br><u>001</u> |
|---------------------|----------------|--------------|-----------|-------------|-----------------------------|
| Mercury (Hg)        | 7439-97-6      | -            | 0.10      | mg/kg       | ND                          |
| Lead (Pb)           | 7439-92-1      | -            | 0.13      | mg/kg       | 0.67                        |
| Chromium (Cr)       | 7440-47-3      | -            | 0.13      | mg/kg       | 1.49                        |
| Sum                 |                | Max. 100.00  | -         | mg/kg       | 2.16                        |

### 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>Limit</u> | <u>RL</u> | <u>Unit</u> | <u>Result</u><br><u>001</u> |
|---|----------------|--------------|-----------|-------------|-----------------------------|
| 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 (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                          |

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