

## Test Report

No. BR2301510 Rev. 0

Date: Barueri, 30 May 2023

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**SUPPLIER TEXTIL LTDA**  
**AV AVENIDA DOIS DE DEZEMBRO**  
**140**  
**NOVA HARTZ, RS 93890000**  
**BRAZIL**

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

SGS Order No. : 400000005583  
 Total of Sample : 01 SAMPLE  
 Sample Number : BR2301510.001  
 Component No. : 1  
 Sample Description : ACETATO  
 Material Name : Plastic  
 Colour : Transparent  
 Remark : N/A  
 Lot Number : ACETATO 40MM X 0,25MM SEM PHITALATOS  
 Project : VEJA  
 Test Product : OTHER FOAM, PLASTICS & POLYMER  
 Colors : CRISTAL  
 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 : NO  
 Sample based on PU : NO

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

Proposal Number : C&P PR23-1175373 REV00  
 Sample Receiving Date : 18 May 2023  
 Test Performing Period : 18 May 2023 - 29 May 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
BR2301510.001	1	ACETATO	Plastic	Transparent	N/A

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**Summary of Test Result:**

Test Parameter	Test Method	Conclusion
Monomer - Vinyl Chloride	With reference to EN ISO 6401:2008. Analysis was conducted by headspace GC-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
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
Determination of Bisphenol	Extraction: 1 g sample / 20 ml THF, sonication for 60 minutes at 60°C, analysis with LC/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
Polycyclic aromatic hydrocarbons (PAH)	With reference to AfPS GS 2019:01 PAK. Analysis was performed by GC-MS.	PASS
Residual Solvent (ISO 16189/13)	ISO 16189/13, extraction with organic solvent, 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

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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> <b>001</b>
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
<b>Conclusion</b>					<b>PASS</b>

**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> <b>001</b>
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
<b>Conclusion</b>					<b>PASS</b>

**Determination of Bisphenol**

 Test Method : Extraction: 1 g sample / 20 ml  
THF, sonication for 60 minutes at 60°C, analysis with 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> <b>001</b>
Bisphenol A (BPA)	80-05-7	Max. 1.00	1.00	mg/kg	ND
Bisphenol-AF (BPAF)	1478-61-1	-	1.00	mg/kg	ND
Bisphenol-F (BPF)	620-92-8	-	1.00	mg/kg	ND
Bisphenol-S (BPS)	80-09-1	-	1.00	mg/kg	ND
<b>Conclusion</b>					<b>PASS</b>

**Notes :**

Bisphenol-S (BPS), Bisphenol-F (BPF) and Bisphenol-AF (BPAF) without restriction

**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</u> <u>Requeriment</u>	<u>RL</u>	<u>Unit</u>	<u>Result</u> <b>001</b>
Formaldehyde	50-00-0	Max. 16.00	16.00	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>
					<b>001</b>
<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 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
<b>Conclusion</b>					<b>PASS</b>

### Polycyclic aromatic hydrocarbons (PAH)

Test Method : With reference to AfPS GS 2019:01 PAK. 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>
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

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

### 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>Result</u>
		<u>Requeriment</u>	<u>RL</u>	<u>Unit</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
Formamide	75-12-7	Max. 1000.00	50.00	mg/kg	ND
N-methyl-2-pyrrolidone (NMP)	872-50-4	Max. 1000.00	50.00	mg/kg	ND
<b>Conclusion</b>					<b>PASS</b>

### Monomer - Vinyl Chloride

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

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Client</u>			<u>Result</u>
		<u>Requeriment</u>	<u>RL</u>	<u>Unit</u>	
Vinyl Chloride	75-01-4	Max. 1	1	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</u>			<u>Result</u>
		<u>Requeriment</u>	<u>RL</u>	<u>Unit</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

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

### 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>Result</u>
		<u>Requeriment</u>	<u>RL</u>	<u>Unit</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>Result</u>
	<u>Requeriment</u>	<u>RL</u>	<u>Unit</u>	
Lead (Pb)	Max. 40.00	10.00	mg/kg	ND

### Conclusion

**PASS**

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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.**

\*\*\* 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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