

**ELASTOMER INDUSTRIA DE ARTEFATOS DE BORRACHA LTDA**  
**AVENIDA CARLOS STRASSBURGER FILHO**  
**6775**  
**CAMPO BOM, RS 93700000**  
**BRAZIL**

The following sample(s) was/were submitted and identified on behalf of the buyer as: Material VJ Fórmula 30/2024 CORPO DA PROVA A Azul Marinho / CORPO DA PROVA B Vermelho / CORPO DA PROVA C Rosado

SGS Order No. : 400000013716  
Total of Sample : 03 Samples  
Sample Number : BR2400413.001  
Component No. : 1  
Sample Description : Material VJ Fórmula 30/2024  
Material Name : Rubber  
Colour : Navy blue / Red / Pink  
Remark : N/A  
Lot Number : OC 1179273  
Project : VEJA  
Test Product : H.4 Rubber Materials  
Mix : YES  
Colors : Material Sola 1 CORPO DA PROVA "A" Azul Marinho/ Material Sola 2 CORPO DA PROVA "B" Vermelho/ Material Sola 3 CORPO DA PROVA "C" Rosado  
Sample composed of fibers of plant origin : YES  
Sample contains PVC or recycled material in the composition : YES  
water repellent material : NO  
Sample covered with paints or varnishes : NO  
Sample based on PU : NO  
Colorful material : NO  
Original fibers animal (wool) : NO  
Laminated material with synthetic fiber base : NO  
PRODUCTION - Official report for Brand test (Product/Packaging/Retest) : YES

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

Proposal Number : C&P PR24-1619715 REV01  
Sample Receiving Date : 19 Feb 2024  
Test Performing Period : 19 Feb 2024 - 11 Mar 2024  
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).

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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
BR2400413.001	1	Material VJ Fórmula 30/2024 CORPO DA PROVA A Azul Marinho / CORPO DA PROVA B Vermelho / CORPO DA PROVA C Rosado	Rubber	Navy blue / Red / Pink	N/A

**Summary of Test Result:**

Test Parameter	Test Method	Conclusion
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
Chlorinated Paraffins	With reference to ISO 22818:2021. Analysis was conducted by GC-NCI-MS.	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
Residual Solvent (ISO 16189/13)	ISO 16189/13, extration with organic solvent, 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

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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 Report

No. BR2400413 Rev. 0

Date: Barueri, 13 Mar 2024

Page 4 of 7

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
<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> <u>001</u>
Nonylphenol ethoxylates (NPEO)	9016-45-9	-	20.00	mg/kg	20.32
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	20.32
<b>Conclusion</b>					<b>PASS</b>

### 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</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	100	mg/kg	ND
Medium Chained Chlorinated Paraffin (MCCP)	85535-85-9	Max. 1000	100	mg/kg	ND
<b>Conclusion</b>					<b>PASS</b>

### 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
<b>Conclusion</b>					<b>PASS</b>

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## Test Report

No. BR2400413 Rev. 0

Date: Barueri, 13 Mar 2024

Page 5 of 7

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

### 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 Requirement</u>	<u>RL</u>	<u>Unit</u>	<u>Result</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

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## Test Report

No. BR2400413 Rev. 0

Date: Barueri, 13 Mar 2024

Page 6 of 7

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

### Residual Solvent (ISO 16189/13)

Test Method : ISO 16189/13, extration with organic solvent, analysis was performed by GC-MS.

Test Item(s)	CAS-NO.	Client			Result
		Requeriment	RL	Unit	
Dimethylacetamida (DMAC)	127-19-5	Max. 1000.00	50.00	mg/kg	ND
Dimethylformamide (DMFA)	68-12-2	Max. 500.00	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

### 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	
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

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Test Item(s)	CAS-NO.	Client			Result
		Requeriment	RL	Unit	
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**
**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 SL12400261233201TX.

**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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