



Test Report

No. BR2204859 Rev. 0

Date: Barueri, 21 Nov 2022

Page 1 of 8

POLLIBOX ECOADESIVOS LTDA
R CARLOS ALBERTO FEITEN
100
CAMPO BOM, RS 93700000
BRAZIL

The following sample(s) was/were submitted and identified on behalf of the buyer as: LINHA DE FILME
ADESIVO SMELLTEX TPU PX, TPU CE, SMELLTEX COPO, PU, PU DX

SGS Order No. : 400000000270

Total of Sample : 01 SAMPLE

Lot Number : 17670

Test Product : J. ADESIVOS

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 : NO

Sample based on PU : YES

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

Proposal Number : C&P PR22-295559 REV01

Sample Receiving Date : 10 Nov 2022

Test Performing Period : 11 Nov 2022 - 21 Nov 2022

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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Test Report

No. BR2204859 Rev. 0

Date: Barueri, 21 Nov 2022

Page 2 of 8

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. BR2204859 Rev. 0

Date: Barueri, 21 Nov 2022

Page 3 of 8

Test Results :

Test Part Description :

Item No.	SGS Sample ID	Description
1	BR2204859.001	LINHA DE FILME ADESIVO SMELLTEX TPU PX, TPU CE, SMELLTEX COPO, PU, PU DX

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

Formaldehyde

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

Test Item(s)	CAS-NO.	Limit	RL	Unit	Result
Formaldehyde	50-00-0	-	16.00	mg/kg	ND

Notes :

Limit: all except packaging:16 ppm Packaging:150 ppm

Total Heavy Metals

Test Method : DIN EN 16711-1:2016,Analysis was conducted by ICP-MS

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

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Test Report

No. BR2204859 Rev. 0

Date: Barueri, 21 Nov 2022

Page 4 of 8

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	Result <u>001</u>
Mercury (Hg)	7439-97-6	Max. 0.50	0.10	mg/kg	ND

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>Limit</u>	<u>RL</u>	<u>Unit</u>	Result <u>001</u>
Lead (Pb)	Max. 90.00	10.00	mg/kg	ND

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>Limit</u>	<u>RL</u>	<u>Unit</u>	Result <u>001</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

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>	Result <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	191.68

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Test Report

No. BR2204859 Rev. 0

Date: Barueri, 21 Nov 2022

Page 5 of 8

Test Item(s)	CAS-NO.	Limit	RL	Unit	Result 001
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	191.68

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.	Limit	RL	Unit	Result 001
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

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Test Report

No. BR2204859 Rev. 0

Date: Barueri, 21 Nov 2022

Page 6 of 8

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

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>Limit</u>	<u>RL</u>	<u>Unit</u>	Result <u>001</u>
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

Volatile Compound

Test Method : In House Method IHM 2483/13, EPA 8260C.

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	Result <u>001</u>
Hexachlorobutadiene	87-68-3	Max. 100.00	10.00	mg/kg	ND
Benzene	71-43-2	Max. 5.00	5.00	mg/kg	ND
Carbon Disulfide	75-15-0	-	10.00	mg/kg	ND
Carbon Tetrachloride	56-23-5	-	10.00	mg/kg	ND
Chloroform	67-66-3	-	10.00	mg/kg	ND
Cyclohexanone	108-94-1	-	10.00	mg/kg	ND
1,2-Dichloroethane	107-06-2	-	20.00	mg/kg	ND
1,1-Dichloroethene	75-35-4	-	20.00	mg/kg	ND
Pentachloroethane	76-01-7	-	10.00	mg/kg	ND
Ethylbenzene	100-41-4	-	10.00	mg/kg	ND
1,1,1,2-Tetrachloroethane	630-20-6	-	20.00	mg/kg	ND
1,1,2,2-Tetrachloroethane	79-34-5	-	20.00	mg/kg	ND
Tetrachloroethylene	127-18-4	-	10.00	mg/kg	ND
Toluene	108-88-3	-	10.00	mg/kg	ND
1,1,1-Trichloroethane	71-55-6	-	20.00	mg/kg	ND
1,1,2-Trichloroethane	79-00-5	-	20.00	mg/kg	ND
Trichloroethylene	79-01-6	-	10.00	mg/kg	ND
Sum of Xylenes (o,m,p)	1330-20-7	-	10.00	mg/kg	ND
m-Xylene	108-38-3	-	10.00	mg/kg	ND
o-Xylene	95-47-6	-	10.00	mg/kg	ND

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Test Report

No. BR2204859 Rev. 0

Date: Barueri, 21 Nov 2022

Page 7 of 8

Test Item(s)	CAS-NO.	Limit	RL	Unit	Result
p-Xylene	106-42-3	-	10.00	mg/kg	ND
Sum of VOCs	-	Max. 1000.00	20.00	mg/kg	ND

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
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
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
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
Residual Solvent (ISO 16189/13)	ISO 16189/13, extration with organic solvent, analysis was performed by GC-MS.	PASS
Volatile Compound	In House Method IHM 2483/13, EPA 8260C.	PASS

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Test Report

No. BR2204859 Rev. 0

Date: Barueri, 21 Nov 2022

Page 8 of 8

*** 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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