



Test Report

No. BR2302770 Rev. 0

Date: Barueri, 02 Oct 2023

Page 1 of 8

FCC - INDUSTRIA E COMERCIO LTDA.

RUA PAINEIRA

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CAMPO BOM, RS 93700000

BRAZIL

The following sample(s) was/were submitted and identified on behalf of the buyer as: Fortimelt 735

SGS Order No. :	400000008855
Sample Ticket Number :	
Total of Sample :	1 SAMPLE
Sample Number :	BR2302770.001
Component No. :	1
Sample Description :	Fortimelt 735
Material Name :	YELLOW ADHESIVE GLUE
Colour :	YELLOW
Remark :	N/A
Lot Number :	98936
Project :	VEJA
Test Product :	ADHESIVES
Retest :	BR2302200
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 PR23-1431057 REV00
Sample Receiving Date :	29 Aug 2023
Test Performing Period :	29 Aug 2023 - 02 Oct 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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Test Report

No. BR2302770 Rev. 0

Date: Barueri, 02 Oct 2023

Page 2 of 8

Component Lis/List of Materials :

Sample No.	Component No.	Description	Material	Colour	Remark
BR2302770.001	1	Fortimelt 735	YELLOW ADHESIVE GLUE	YELLOW	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
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
Volatile Compound	In House Method IHM 2483/13, EPA 8260C.	PASS

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Test Report

No. BR2302770 Rev. 0

Date: Barueri, 02 Oct 2023

Page 4 of 8

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

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> <u>001</u>
Formaldehyde	50-00-0	Max. 16.00	16.00	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>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

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Test Report

No. BR2302770 Rev. 0

Date: Barueri, 02 Oct 2023

Page 5 of 8

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

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</u> <u>Requeriment</u>	<u>RL</u>	<u>Unit</u>	<u>Result</u> <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
Conclusion					PASS

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>Requeriment</u>	<u>RL</u>	<u>Unit</u>	<u>Result</u> <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

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Test Report

No. BR2302770 Rev. 0

Date: Barueri, 02 Oct 2023

Page 6 of 8

<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>
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

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</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

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Test Report

No. BR2302770 Rev. 0

Date: Barueri, 02 Oct 2023

Page 7 of 8

<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>
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

Volatile Compound

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

<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>
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
m-Xylene	108-38-3	-	10.00	mg/kg	ND
o-Xylene	95-47-6	-	10.00	mg/kg	ND
p-Xylene	106-42-3	-	10.00	mg/kg	ND
Sum of Xylenes (o,m,p)	1330-20-7	-	10.00	mg/kg	ND
Sum of VOCs	-	Max. 1000.00	20.00	mg/kg	ND
Conclusion					PASS

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Test Report

No. BR2302770 Rev. 0

Date: Barueri, 02 Oct 2023

Page 8 of 8

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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