

Test Report

No. BR1806088 Rev. 1

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Rosset Artes Gráficas e Editora S.A
Rod. Raposo Tavares - SN - KM 14
Conjunto Residencial Butantã
São Paulo
SP Brasil

**** This Amended Report cancels and supersedes the Report No.BR1806088 dated 02/06/19 issued by SGS ****

SGS Order No. :	40002759
SGS Sample ID	BR1806088.001
Description	COPO EM POLIPAPEL
Total of Sample :	33 SAMPLES
Sample receiving condition at SGS :	PLASTIC BAG
Brand :	PRATICUPH
Sample date of Manufactured :	DEC/18
Sample date of Expiration :	DEC/20
Sampling Date :	12/20/2018
Country of Origin :	BRAZIL
Manufacturer :	ROSSET ARTES GRÁFICAS E ED. SS
Food/Drink in Contact :	YOGURTRES, LACTICINE, ICECREAM, COLD DESSERTS, FRUITS IN NATURA

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

Proposal Number :	PR1800087
Date of Sample Received :	28 Dec 2018
Testing Period :	18 Jan 2019 - 06 Feb 2019
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).

Signed for and on behalf of
SGS do Brasil Ltda.



Graziella Leles Dias
Laboratory Coordinator CRQ IV 04261374

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Test Results :

Test Part Description

Item No.	SGS Sample ID	Description
1	BR1806088.001	COPO EM POLIPAPEL
2	BR1806088.002	COPO EM POLIPAPEL CARTÃO

Overall Migration - 3% Acetic acid (V/V) aqueous solution

Methodology : CRS 2441/13 rev04; EN 1186:2002

Legislation : ANVISA Resolutions RDC No. 51, 2010 and RDC No. 105, 1999

Notes : 3% Acetic acid (V/V) aqueous solution = Simulant B - Acid Aqueous Food (pH <4.5)

For expanded uncertainty considered k=2 and approximately 95% level of confidence.

ID Sample :BR1806088.001 COPO EM POLIPAPEL

Simulant Used : 3% Acetic acid (V/V) aqueous solution

Test Condition : 5 °C 240,00 hr

Test Item(s)	Specification	Unit	MQL	Test result	Uncertainty
Overall migration	Max. 8.000	mg/dm ²	1.000	ND	NA

Overall Migration - 95% Ethanol (V/V) aqueous solution

Methodology : CRS 2441/13 rev04; EN 1186:2002

Legislation : ANVISA Resolutions RDC No. 51, 2010 and RDC No. 105, 1999

Notes : 95% Ethanol (V/V) aqueous solution = Simulant D - Simulant of Fatty Foods

For expanded uncertainty considered k=2 and approximately 95% level of confidence.

ID Sample :BR1806088.001 COPO EM POLIPAPEL

Simulant Used : 95% Ethanol (V/V) aqueous solution

Test Condition : 5 °C 240,00 hr

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Test Item(s)	Specification	Unit	MQL	Test result	Uncertainty
Overall migration	Max. 8.000	mg/dm ²	1.000	ND	NA

Overall Migration - Deionized Water

Methodology : CRS 2441/13 rev04; EN 1186:2002

Legislation : ANVISA Resolutions RDC No. 51, 2010 and RDC No. 105, 1999

Notes : Deionized water = Simulant A - Not Acid Aqueous Food (pH>4,5)

For expanded uncertainty considered k=2 and approximately 95% level of confidence.

ID Sample :BR1806088.001 COPO EM POLIPAPEL

Simulant Used : Deionized Water

Test Condition : 5 °C 240,00 hr

Test Item(s)	Specification	Unit	MQL	Test result	Uncertainty
Overall migration	Max. 8.000	mg/dm ²	1.000	ND	NA

Migration of Substances that Confer Colouration - 3% Acetic acid (V/V) aqueous solution

Methodology : In House Method CTS 2441/03

Legislation : ANVISA Resolution RDC No. 52, 2010

Notes : 3% Acetic acid (V/V) aqueous solution = Simulant B - Acid Aqueous Food (pH <4.5)

For expanded uncertainty considered k=2 and approximately 95% level of confidence.

ID Sample :BR1806088.001 COPO EM POLIPAPEL

Simulant Used : 3% Acetic acid (V/V) aqueous solution

Test Condition : 5 °C 240,00 hr

Test Item(s)	Specification	Unit	MQL	Test result	Uncertainty
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Migration of Substances that Confer Colouration	Do not confers color	-	-	Do not confers color	NA
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Migration of Substances that Confer Colouration - 95% Ethanol (V/V) aqueous solution

Methodology : In House Method CTS 2441/03

Legislation : ANVISA Resolution RDC No. 52, 2010

Notes : 95% Ethanol (V/V) aqueous solution = Simulant D - Simulant of Fatty Foods

For expanded uncertainty considered k=2 and approximately 95% level of confidence.

ID Sample :BR1806088.001 COPO EM POLIPAPEL

Simulant Used : 95% Ethanol (V/V) aqueous solution

Test Condition : 5 °C 240,00 hr

<u>Test Item(s)</u>	<u>Specification</u>	<u>Unit</u>	<u>MQL</u>	<u>Test result</u>	<u>Uncertainty</u>
Migration of Substances that Confer Colouration	Do not confers color	-	-	Do not confers color	NA

Migration of Substances that Confer Colouration - Deionized Water

Methodology : In House Method CTS 2441/03

Legislation : ANVISA Resolution RDC No. 52, 2010

Notes : Deionized water = Simulant A - Not Acid Aqueous Food (pH>4,5)

For expanded uncertainty considered k=2 and approximately 95% level of confidence.

ID Sample :BR1806088.001 COPO EM POLIPAPEL

Simulant Used : Deionized Water

Test Condition : 5 °C 240,00 hr

<u>Test Item(s)</u>	<u>Specification</u>	<u>Unit</u>	<u>MQL</u>	<u>Test result</u>	<u>Uncertainty</u>
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Migration of Substances that Confer Colouration	Do not confers color	-	-	Do not confers color	NA
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Polychlorinated Biphenyls in aqueous extract

Methodology : CRS 2543/14 rev01; EN ISO 15318:2000

Legislation : ANVISA Resolution RDC No. 88, 2016

For expanded uncertainty considered k=2 and approximately 95% level of confidence.

ID Sample :BR1806088.002

COPO EM POLIPAPEL CARTÃO

Test Item(s)	CAS NO.	Specification	Unit	MQL	Test result	Uncertainty
2,2,5'-Triclorobifenil (PCB-18)	37680-65-2	-	mg/kg	0.25	ND	NA
2.4.4'-Triclorobiphenyl (PCB 28)	7012-37-5	-	mg/kg	0.25	ND	NA
2.2'.5.5'-Tetrachloro-biphenyl (PCB 52)	35693-99-3	-	mg/kg	0.25	ND	NA
2.2'.4.5.5'-Pentachloro-biphenyl (PCB 101)	37680-73-2	-	mg/kg	0.25	ND	NA
2.2'.3.4.4'.5'-Hexachloro-biphenyl (PCB 138)	35065-28-2	-	mg/kg	0.25	ND	NA
2.2'.4.4'.5.5'-Hexachloro-biphenyl (PCB 153)	35065-27-1	-	mg/kg	0.25	ND	NA
2.2'.3.4.4'.5.5'-Heptachlorobipheny I (PCB 180)	35065-29-3	-	mg/kg	0.25	ND	NA
Sum of PCB		Max. 5.00	mg/kg	0.25	ND	NA

Pentachlorophenol in aqueous extract

Methodology : CRS 2522/13 rev01; EN ISO 15320:2011

Legislation : ANVISA Resolution RDC No. 88, 2016

For expanded uncertainty considered k=2 and approximately 95% level of confidence.

ID Sample :BR1806088.002

COPO EM POLIPAPEL CARTÃO

Test Item(s)	CAS NO.	Specification	Unit	MQL	Test result	Uncertainty
Pentachlorophenol	87-86-5	Max. 0.150	mg/kg	0.025	ND	NA

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Specific Migration of Heavy Metal - 3% Acetic acid (V/V) aqueous solution

Methodology : CRS 2440/13 rev05; EN 13130:2004

Legislation : ANVISA Resolution RDC No. 52, 2010

For expanded uncertainty considered k=2 and approximately 95% level of confidence.

ID Sample :BR1806088.001 COPO EM POLIPAPEL

Simulant Used : 3% Acetic acid (V/V) aqueous solution

Test Condition : 5 °C 240,00 hr

Test Item(s)	CAS NO.	Specification	Unit	MQL	Test result	Uncertainty
Antimony (Sb)	7440-36-0	Max. 0.040	mg/kg	0.005	ND	NA
Arsenic (As)	7440-38-2	Max. 0.010	mg/kg	0.005	ND	NA
Barium (Ba)	7440-39-3	Max. 1.000	mg/kg	0.005	ND	NA
Boron (B)	7440-42-8	Max. 0.500	mg/kg	0.005	ND	NA
Cadmium (Cd)	7440-43-9	Max. 0.010	mg/kg	0.005	ND	NA
Zinc (Zn)	7440-66-6	Max. 25.000	mg/kg	0.005	0.007	± 0.001
Copper (Cu)	7440-50-8	Max. 5.000	mg/kg	0.005	ND	NA
Chromium (Cr)	7440-47-3	Max. 0.050	mg/kg	0.005	ND	NA
Tin (Sn)	7440-31-5	Max. 1.200	mg/kg	0.005	ND	NA
Mercury (Hg)	7439-97-6	Max. 0.010	mg/kg	0.005	ND	NA
Silver (Ag)	7440-22-4	Max. 0.050	mg/kg	0.005	ND	NA
Lead (Pb)	7439-92-1	Max. 0.010	mg/kg	0.005	ND	NA

Determination of metals in the aqueous extract.

Methodology : BS EN645, BS EN12498 and BS EN12497

Legislation : ANVISA Resolution RDC No. 88, 2016

For expanded uncertainty considered k=2 and approximately 95% level of confidence.

ID Sample :BR1806088.002 COPO EM POLIPAPEL CARTÃO

Test Item(s)	CAS NO.	Specification	Unit	MQL	Test result	Uncertainty
Cadmium (Cd)	7440-43-9	Max. 0.500	mg/kg	0.004	ND	NA
Mercury (Hg)	7439-97-6	Max. 0.300	mg/kg	0.004	0.190	NA

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Lead (Pb)	7439-92-1	Max. 3.000	mg/kg	0.004	ND	NA
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Specific Migration of Fluoride. - 3% Acetic acid (V/V) aqueous solution

Methodology : CRS 2440/13 rev05; EN 13130:2004

Legislation : ANVISA Resolution RDC No. 52, 2010

For expanded uncertainty considered k=2 and approximately 95% level of confidence.

ID Sample :BR1806088.001 COPO EM POLIPAPEL

Simulant Used : 3% Acetic acid (V/V) aqueous solution

Test Condition : 5 °C 240,00 hr

Test Item(s)	CAS NO.	Specification	Unit	MQL	Test result	Uncertainty
Fluoride (F)	7782-41-4	Max. 0.500	mg/kg	0.050	ND	NA

Remarks :

- (1) MQL = Method Quantification Limit
- (2) ND = Not Detected (< MQL)
- (3) NA = Not Applicable
- (4) "-" = Not Analyzed
- (5) "--" = Analysis in Process

Comments :

The analyses were carried out on the material according to the information provided by the client, so it is the complete responsibility of the client the finding that the formulation of the material meets the positive lists and, where relevant, carry out complementary tests, in accordance with the current legislation.

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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Revision 01: As requested by the customer, changed the brand from Praticup to Praticuph.

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 and also are not part of our scope of accreditation.

Result Summary :

Test Requested :	Legislation	Evaluation
Overall Migration - Deionized Water	ANVISA Resolutions RDC No. 51, 2010 and RDC No. 105, 1999	PASS

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Overall Migration - 3% Acetic acid (V/V) aqueous solution	ANVISA Resolutions RDC No. 51, 2010 and RDC No. 105, 1999	PASS
Overall Migration - 95% Ethanol (V/V) aqueous solution	ANVISA Resolutions RDC No. 51, 2010 and RDC No. 105, 1999	PASS
Migration of Substances that Confer Colouration - Deionized Water	ANVISA Resolution RDC No. 52, 2010	PASS
Migration of Substances that Confer Colouration - 3% Acetic acid (V/V) aqueous solution	ANVISA Resolution RDC No. 52, 2010	PASS
Migration of Substances that Confer Colouration - 95% Ethanol (V/V) aqueous solution	ANVISA Resolution RDC No. 52, 2010	PASS
Specific Migration of Heavy Metal - 3% Acetic acid (V/V) aqueous solution	ANVISA Resolution RDC No. 52, 2010	PASS
Polychlorinated Biphenyls in aqueous extract	ANVISA Resolution RDC No. 88, 2016	PASS
Pentachlorophenol in aqueous extract	ANVISA Resolution RDC No. 88, 2016	PASS
Determination of metals in the aqueous extract.	ANVISA Resolution RDC No. 88, 2016	PASS
Specific Migration of Fluoride. - 3% Acetic acid (V/V) aqueous solution	ANVISA Resolution RDC No. 52, 2010	PASS

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Photo :



SGS authenticate the photo on original report only

*** 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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