

Test Report

No. BR1801080 Rev. 0

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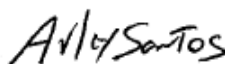
Rosset Artes Gráficas e Editora S.A
Raposos Tavares, S/N
Jardim Bandeirantes
São Paulo
SP Brasil

SGS Order No. :	4510-31972-1
SGS Sample ID	BR1801080.001
Description	ITEM A - Praticup (PE + Papel Cartão + PE)
Proposal Number :	CRS L 34186.57899.18 REV.01
Total of Sample :	20 Samples
Sample receiving condition at SGS :	Box
Brand :	Rosset
Sample date of Manufactured :	02/19/2018
Sample date of Expiration :	02/19/2020
Sampling Date :	02/22/2018
Country of Origin :	Brazil
Lot Number :	12520-10
Manufacturer :	Rosset
Food/Drink in Contact :	Ice Cream / Fatty Foods / Food in General
Date of Sample Received :	05 Mar 2018
Testing Period :	06 Mar 2018 - 24 Apr 2018
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.



Simone da Costa Morgado dos Reis
Laboratory Manager CRQ 04261979



Arley Santos Ferreira Leite
Laboratory Supervisor CRQ 04471856

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Test Results :

Test Part Description

Item No.	SGS Sample ID	Description
1	BR1801080.001	ITEM A - Praticup (PE + Papel Cartão + PE)

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 :BR1801080.001 ITEM A - Praticup (PE + Papel Cartão + PE)

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	4.150	± 0.124

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 :BR1801080.001 ITEM A - Praticup (PE + Papel Cartão + PE)

Simulant Used : 95% Ethanol (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	1.320	± 0.092

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 :BR1801080.001 ITEM A - Praticup (PE + Papel Cartão + PE)

Simulant Used : 3% Acetic acid (V/V) aqueous solution
Test Condition : 5 °C 240,00 hr

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<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 - 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 :BR1801080.001 ITEM A - Praticup (PE + Papel Cartão + PE)

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

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

Methodology : CRS 2792/15 rev02.
Legislation : ANVISA Resolution RDC No. 88, 2016
For expanded uncertainty considered k=2 and approximately 95% level of confidence.

ID Sample :BR1801080.001 ITEM A - Praticup (PE + Papel Cartão + PE)

Simulant Used : 3% Acetic acid (V/V) aqueous solution
Test Condition : 20 °C 48,00 hr

<u>Test Item(s)</u>	<u>Specification</u>	<u>Unit</u>	<u>MQL</u>	<u>Test result</u>	<u>Uncertainty</u>
Overall Migration	Max. 8.000	mg/dm ²	2.000	ND	NA

Overall Migration - n-Heptane

Methodology : CRS 2792/15 rev02.
Legislation : ANVISA Resolution RDC No. 88, 2016
For expanded uncertainty considered k=2 and approximately 95% level of confidence.

ID Sample :BR1801080.001 ITEM A - Praticup (PE + Papel Cartão + PE)

Simulant Used : n-Heptane
Test Condition : 20 °C 0,50 hr

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<u>Test Item(s)</u>	<u>Specification</u>	<u>Unit</u>	<u>MQL</u>	<u>Test result</u>	<u>Uncertainty</u>
Overall Migration	Max. 8.000	mg/dm ²	2.000	ND	NA

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 :BR1801080.001 ITEM A - Praticup (PE + Papel Cartão + PE)

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Specification</u>	<u>Unit</u>	<u>MQL</u>	<u>Test result</u>	<u>Uncertainty</u>
2,2,5'-Triclorobifenil (PCB-18)	37680-65-2	-	mg/kg	0.25	ND	NA
2,4,4'-Trichlorobiphenyl (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'-Heptachlorobiphenyl (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 :BR1801080.001 ITEM A - Praticup (PE + Papel Cartão + PE)

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

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 :BR1801080.001 ITEM A - Praticup (PE + Papel Cartão + PE)

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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	ND	NA
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 :BR1801080.001 ITEM A - Praticup (PE + Papel Cartão + PE)

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	ND	NA
Lead (Pb)	7439-92-1	Max. 3.000	mg/kg	0.004	0.040	± 0.010

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 :BR1801080.001 ITEM A - Praticup (PE + Papel Cartão + PE)

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

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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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De acordo com a Resolução RDC nº 51 de 26 de novembro de 2010, no caso dos alimentos em que deve-se usar o simulante D ou D', os resultados dos ensaios de migração foram divididos pelo fator de redução do simulante, usado convencionalmente para levar em conta a maior capacidade extrativa do simulante D ou D', em relação a capacidade extrativa do alimento em questão. No caso de Sorvete, os resultados dos ensaios de migração devem ser divididos por 5.

WARNING: The opinions and interpretations expressed below are applicable only to tests in which the specification parameters are included in this report and are not part of our scope of accreditation.

Result Summary :

Test Requested :	Legislation	Evaluation
Overall Migration - 3% Acetic acid (V/V) aqueous solution	ANVISA Resolution RDC No. 88, 2016	PASS
Overall Migration - n-Heptane	ANVISA Resolution RDC No. 88, 2016	PASS
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 - 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
Polychlorinated Biphenyls in aqueous extract	ANVISA Resolution RDC No. 88, 2016	PASS
Determination of metals in the aqueous extract.	ANVISA Resolution RDC No. 88, 2016	PASS
Pentachlorophenol in aqueous extract	ANVISA Resolution RDC No. 88, 2016	PASS

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Date: Barueri, 24 Apr 2018

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Specific Migration of Heavy Metal - 3% Acetic acid (V/V) aqueous solution	ANVISA Resolution RDC No. 52, 2010	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 ***

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