

-480 SÃO PAULO / CNPJ 13039863/0001-14/

Sample Description : COOKWARE
Style / Item No. : STUDIO
Manufacturer :
Country of Origin : CHINA

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Sample Receiving Date : Jul 26, 2019
Test Performing Date : Jul 26, 2019 to Aug 13, 2019
Test Performed : Selected test(s) as requested by applicant
Test Result(s) : For further details, please refer to the following page(s)

Result Summary :

Test Requested	Conclusion
ANVISA Resolution - RDC No. 20, of March 22, 2007-Specific Migration of metals and other elements	PASS
ANVISA Resolution - RDC No. 20, of March 22, 2007 – Overall migration	PASS
ANVISA Resolution - RDC No. 20, of March 22, 2007-Color migration	PASS
ANVISA Resolution - RDC No. 20, of March 22, 2007 – Impurity	PASS
Determination of Migration of tetrafluoroethylene in the submitted sample(s).	SEE RESULTS

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Shiny Hu
Authorized Signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center Harbinlines

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I. SGS Ref No.: CANHG1914911501

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN19-149115.001	Black coated metal pan(1#)(inner)	stainless steel+coating
SN2	CAN19-149115.002	Black coated metal pan(2#)(inner)	stainless steel+coating
SN3	CAN19-149115.003	Silvery metal pan(inner)	stainless steel

ANVISA Resolution - RDC No. 20, of March 22, 2007-Specific Migration of metals and other elements

Test Method : With reference to EN13130-1:2004 and ANVISA Resolution RDC No. 52 of November 26, 2010, analysis was performed by ICP-MS and fluorine ion-selective electrode.

Sample 002

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 100°C 2.0hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
First Specific Migration of Fluorine	0.5	mg/kg	0.2	ND
First Specific Migration of Boron	0.5	mg/kg	0.05	ND
First Specific Migration of Chromium	0.05	mg/kg	0.005	ND
First Specific Migration of Copper	5	mg/kg	0.5	ND
First Specific Migration of Zinc	25	mg/kg	2.5	ND
First Specific Migration of Arsenic	0.01	mg/kg	0.002	ND
First Specific Migration of Silver	0.05	mg/kg	0.005	ND
First Specific Migration of Cadmium	0.005	mg/kg	0.001	ND
First Specific Migration of Tin	1.2	mg/kg	0.12	ND
First Specific Migration of Antimony	0.04	mg/kg	0.004	ND
First Specific Migration of Barium	1	mg/kg	0.1	ND
First Specific Migration of Mercury	0.005	mg/kg	0.001	ND
First Specific Migration of Lead	0.01	mg/kg	0.002	ND



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<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Second Specific Migration of Fluorine	0.5	mg/kg	0.2	ND
Second Specific Migration of Boron	0.5	mg/kg	0.05	ND
Second Specific Migration of Chromium	0.05	mg/kg	0.005	ND
Second Specific Migration of Copper	5	mg/kg	0.5	ND
Second Specific Migration of Zinc	25	mg/kg	2.5	ND
Second Specific Migration of Arsenic	0.01	mg/kg	0.002	ND
Second Specific Migration of Silver	0.05	mg/kg	0.005	ND
Second Specific Migration of Cadmium	0.005	mg/kg	0.001	ND
Second Specific Migration of Tin	1.2	mg/kg	0.12	ND
Second Specific Migration of Antimony	0.04	mg/kg	0.004	ND
Second Specific Migration of Barium	1	mg/kg	0.1	ND
Second Specific Migration of Mercury	0.005	mg/kg	0.001	ND
Second Specific Migration of Lead	0.01	mg/kg	0.002	ND

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Third Specific Migration of Fluorine	0.5	mg/kg	0.2	ND
Third Specific Migration of Boron	0.5	mg/kg	0.05	ND
Third Specific Migration of Chromium	0.05	mg/kg	0.005	ND
Third Specific Migration of Copper	5	mg/kg	0.5	ND
Third Specific Migration of Zinc	25	mg/kg	2.5	ND
Third Specific Migration of Arsenic	0.01	mg/kg	0.002	ND
Third Specific Migration of Silver	0.05	mg/kg	0.005	ND
Third Specific Migration of Cadmium	0.005	mg/kg	0.001	ND
Third Specific Migration of Tin	1.2	mg/kg	0.12	ND
Third Specific Migration of Antimony	0.04	mg/kg	0.004	ND
Third Specific Migration of Barium	1	mg/kg	0.1	ND
Third Specific Migration of Mercury	0.005	mg/kg	0.001	ND
Third Specific Migration of Lead	0.01	mg/kg	0.002	ND



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Sample 002

Simulant Used : 95% Ethanol
 Test Condition : 60°C 6.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
First Migration	50	mg/kg	20	<20
Second Migration	50	mg/kg	20	<20
Third Migration	50	mg/kg	20	<20
Comment				PASS

Sample 002

Simulant Used : Isooctane
 Test Condition : 60°C 4.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
First Migration	50	mg/kg	20	<20
Second Migration	50	mg/kg	20	<20
Third Migration	50	mg/kg	20	<20
Comment				PASS

Sample 001

Simulant Used : Distilled water
 Test Condition : 100°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
First Migration	50	mg/kg	20	<20
Second Migration	50	mg/kg	20	<20
Third Migration	50	mg/kg	20	<20
Comment				PASS

Notes :

1. mg/dm²= milligram per square decimeter
1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius



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ANVISA Resolution - RDC No. 20, of March 22, 2007-Color migration

Test Method : ANVISA Resolution RDC No. 51 & 52 of November 26, 2010.

Sample 002

Simulant Used : Coconut Oil
 Test Condition : 175°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
First Migration	No release	-	-	No release
Second Migration	No release	-	-	No release
Third Migration	No release	-	-	No release

Comment **PASS**

Sample 001

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution
 Test Condition : 100°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
First Migration	No release	-	-	No release
Second Migration	No release	-	-	No release
Third Migration	No release	-	-	No release

Comment **PASS**

Sample 001

Simulant Used : 50% Ethanol (V/V) Aqueous Solution
 Test Condition : 100°C 2.0hr(s)

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<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
First Migration	No release	-	-	No release
Second Migration	No release	-	-	No release
Third Migration	No release	-	-	No release

Comment **PASS**

Sample 001

Simulant Used : Distilled water

Test Condition : 100°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
First Migration	No release	-	-	No release
Second Migration	No release	-	-	No release
Third Migration	No release	-	-	No release

Comment **PASS**

ANVISA Resolution - RDC No. 20, of March 22, 2007 – Impurity

Test Method : SGS In-house method (GZTC CHEM-TOP-009-01, with reference to US EPA Method 3050B:1996), analysis was performed by ICP-OES.

Sample 003

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Arsenic (As)	0.01	%(w/w)	0.002	ND
Lead (Pb)	0.01	%(w/w)	0.002	ND
Mercury (Hg)	0.01	%(w/w)	0.002	ND
Cadmium (Cd)	-	%(w/w)	0.01	ND
Antimony (Sb)	-	%(w/w)	0.02	ND
Copper (Cu)	-	%(w/w)	0.01	0.05
Total	1	%(w/w)	-	0.050

Comment **PASS**



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Notes :

1. % w/w = percentage of weight by weight
2. MDL=Method Detection Limit
3. ND= Not Detected(less than MDL)
4. Permissible Limit is according to ANVISA Resolution - RDC No. 20, of March 22, 2007.

Sample photo:



CAN19-149115.001



CAN19-149115.002





CAN19-149115.003

II: This test was subcontracted to Guangzhou customs district technology center.

Test information:

(1) Sample information:

Commodity declared	sample description	Surface area of the sample intended to contact with food (dm ²)	The volume(L) or weight(kg) of food in contact therewith
Cookware	Metal pot with black coating	5.17	1.2

(2) Test results :

Commodity Declared	Regulation	Test item#	Test method	Limit	Result	Unit	Comment
Cookware	GB 4806.10-2016	Migration of tetrafluoroethylene (4%,acetic,acid,100℃,2h)	With reference to GB 31604.1-2015, GB 5009.156-2016 , analyzed by HS-GC/MS	≤0.05	<0.05*	mg/kg	Pass

*Limit of quantitation

#Test item and test condition are specified by applicant



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Sample photo :



End of Report



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