

Report No. 48.400.16.7610.19-02/01

Dated 2016-08-19



China

Technical Report

Applicant: Guangdong Gao Bo Electrical Appliance Co., Ltd.
Honghu Bldg Materials Factory, Lianjiang ,Guangdong, 524400,P.R.China

Attn. to: Ms.Huang

Manufacture: Same as the Applicant.

Test object: The tested object(s) was(were) submitted and described by client as:
Food contract Materials of Rick cooker
Additional may covered products and style No., please refer to Appendix I.

Tested sample description: Refer to next page(s).

Purpose of examination: As specify by client, selected testing according to according to German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, BfR recommendation, General Requirement (Article 3) in EU Regulation No. 1935/2004.

1. Sensorial examination odour and taste test.
2. For material: plastic & No stick coating – Overall migration test.
3. For material: plastic & No stick coating – Specific migration of Heavy metal.
4. For material: plastic & No stick coating – Specific migration of PAA
5. For material: PP – Catalyst residues.
6. For material: plastic, No stick coating & silicon – Total PAHs content.
7. For material: No stick coating – Specific migration of Formaldehyde, Cr(III), Cr(VI), Lithium, PFOA, PFOS and Phenolic substance.
8. For material: silicon – Extractable component.
9. For material: silicon – Specific migration of Formaldehyde.
10. For material: silicon – Total Platinum content.
11. For material: silicon – Volatile Organic Matter.
12. For material: silicon – Peroxide value.
13. For material: metal, metal alloy and electroplated – Extractable heavy metals.
14. For material: aluminium alloy – Composition analysis.
15. For material: glass/ceramic – Release Lead, Cadmium and Cobalt content.

Test results: Refer to next page(s).

Remarks:

1. The tests are based on the client's requirement.
2. The samples were identified by client.
3. The test items were conducted under the requirements of client.\
4. Rev01 replaces rev00 (48.400.16.7610.19-00/01)
5. Rev02 replaces rev01 (48.400.16.7610.19-01/01)

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1. Order

1.1 Date of Purchase Order

2016-06-28

2016-08-18, Add the new model: SRC10-UVX1

1.2 Customer's Reference

Nil

1.3 Receipt Date of Test Sample

2016-06-18, sample 001-009

2016-07-18, sample 010

1.4 Date of Testing

2016-06-28 ~ 2016-07-29



1.5 Document submitted

Additional listed product photo and models reference received on 2016-08-19.

1.6 Location of Testing

TÜV SÜD SHA External Chemical Lab

2. Tested sample description:

Sample No.	Description (material, color)	Photograph/Location
001	White PP	
002	Transparent PP	

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2. Tested sample description:

Sample No.	Description (material, color)	Photograph/Location
003	Silvery metal aluminum alloy	
004	Silvery stainless steel screw	
005	Silvery stainless steel trim	
006	Dark grey coating	

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2. Tested sample description:

Sample No.	Description (material, color)	Photograph/Location
007	Transparent glass lid	
008	Black PP	
009	White PP	
010	Semi-transparent silicone ring <i>Note: sample received via client's 2nd submit</i>	

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3. Test Result

3.1 Sensorial examination odour and taste test

- Robinson's test with reference to DIN 10955:1983 (2003)

Test Items	Result					Maximum Permissible Limit
	001	002	003	004	005	
Sensorial examination odour (Point scale)	0	0	0	0	0	2.5
Sensorial examination taste (Point scale)	0	0	0	0	0	2.5

Test Items	Result					Maximum Permissible Limit
	006	007	008	009	010	
Sensorial examination odour (Point scale)	0	0	0	0	0	2.5
Sensorial examination taste (Point scale)	0	0	0	0	0	2.5

Scale evaluation:

- 0: No perceptible odour
- 1: Odour just perceptible (still difficult to define)
- 2: Moderate odour
- 3: Moderately strong odour
- 4: Strong odour

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3. Test Result

3.2 Overall migration test

- with reference to

EN1186-1:2002: Guide to the selection of condition and test method for overall migration;

EN1186-3:2002, Aqueous food simulants by total immersion method;

EN1186-9:2002, Aqueous food simulants by article filling method;

Simulant used	Test condition	Overall Migration (mg/dm ²)		Maximum permissible Limit (mg/dm ²)
		001	002	
10% Ethanol (V/V)	2 hours at 100°C	<3.0	<3.0	10

Simulant used	Test condition	Overall Migration (mg/dm ²)		Maximum permissible Limit (mg/dm ²)
		006	008	
10% Ethanol (V/V)	2 hours at 100°C	<3.0	3.8	10

Simulant used	Test condition	Overall Migration (mg/dm ²)		Maximum permissible Limit (mg/dm ²)
		009		
10% Ethanol (V/V)	2 hours at 100°C	<3.0		10

- Note:
1. "°C" denotes degree Celsius.
 2. "<" denotes less than.
 3. "%" denotes percentage.
 4. "mg/dm²" denotes milligram per square decimeter.
 5. The specification was quoted from Regulation (EU) No 10/2011.
 6. The test results come from the 3rd duration as repeated use condition of product.

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3. Test Result**3.3 Specific migration of Heavy metal**

- Sample preparation in selection of simulants and condition, followed by analysis using Inductively Coupled Argon Plasma Spectrometer.

Simulant used	Test condition
3% Acetic Acid (W/V)	2 hours at 100°C

Test Item	Result (mg/kg)		Maximum Permissible Limit (mg/kg)
	001	002	
Soluble Barium	<0.01	<0.01	1
Soluble Cobalt	<0.01	<0.01	0.05
Soluble Copper	<0.01	<0.01	5
Soluble Iron	<1.0	<1.0	48
Soluble Lithium	<0.01	<0.01	0.6
Soluble Manganese	<0.01	<0.01	0.6
Soluble Zinc	<1.0	<1.0	25

Test Item	Result (mg/kg)			Maximum Permissible Limit (mg/kg)
	006	008	009	
Soluble Barium	<0.01	<0.01	<0.01	1
Soluble Cobalt	<0.01	<0.01	<0.01	0.05
Soluble Copper	<0.01	<0.01	<0.01	5
Soluble Iron	<1.0	<1.0	<1.0	48
Soluble Lithium	<0.01	<0.01	<0.01	0.6
Soluble Manganese	<0.01	<0.01	<0.01	0.6
Soluble Zinc	<1.0	<1.0	<1.0	25

- Note:
1. "°C" denotes degree Celsius.
 2. "<" denotes less than.
 3. "%" denotes percentage.
 4. "mg/kg" denotes milligram per kilogram.
 5. The specification was quoted from Regulation (EU) No 10/2011.
 6. The test results come from the 3rd duration as repeat use condition of the product.

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3. Test Result**3.4 Specific migration of Primary Aromatic Amines**

- With reference to EN1186-1:2002, sample preparation in selection of simulants and condition, followed by Kunststoffe im Lebensmittelverkehr, Book 2, Teil B II, XXI.

Simulant used	Test Condition	Result (mg/kg)		Maximum Permissible Limit (mg/kg)
		001	002	
3% Acetic Acid (W/V)	2 hours at 100°C	<0.01	<0.01	0.01

Simulant used	Test Condition	Result (mg/kg)		Maximum Permissible Limit (mg/kg)
		006	008	
3% Acetic Acid (W/V)	2 hours at 100°C	<0.01	<0.01	0.01

Simulant used	Test Condition	Result (mg/kg)	Maximum Permissible Limit (mg/kg)
		009	
3% Acetic Acid (W/V)	2 hours at 100°C	<0.01	0.01

- Note:
1. "mg/kg" denotes milligram per kilogram.
 2. "<" denotes less than.
 3. "%" denotes percentage.
 4. "°C" denotes degree Celsius.
 5. The specification was quoted from Regulation (EU) No 10/2011.

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3. Test Result

3.5 Catalyst residues (Chromium, Vanadium, Zirconium and Hafnium)

- Acid digestion, followed by analysis using Inductively Coupled Argon Plasma Spectrometer.

Test Item	Result (mg/kg)		Maximum Permissible Limit (mg/kg)
	001	002	
Chromium (Cr)	<5	<5	10
Vanadium (V)	<20	<20	20
Zirconium (Zr)	<20	<20	100
Hafnium (Hf)	<20	<20	100

Test Item	Result (mg/kg)		Maximum Permissible Limit (mg/kg)
	008	009	
Chromium (Cr)	<5	<5	10
Vanadium (V)	<20	<20	20
Zirconium (Zr)	<20	<20	100
Hafnium (Hf)	<20	<20	100

- Note:
1. "mg/kg" denotes milligram per kilogram.
 2. "<" denotes less than.
 3. The specification was quoted from the recommendation BfR Part VII.

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3. Test Result

3.6 PAHs test

- According as PAHs Decision AfPS GS 2014:01 PAK, PAHs analysis was determined by GC/MS.

Parameter	Unit	MDL	001	002	006
Naphthalene	mg/kg	0.2	N.D.	N.D.	0.5
Acenaphthylene*	mg/kg	0.2	N.D.	N.D.	N.D.
Acenaphthene*	mg/kg	0.2	N.D.	N.D.	N.D.
Fluorene*	mg/kg	0.2	N.D.	N.D.	N.D.
Phenanthrene*	mg/kg	0.2	N.D.	N.D.	0.3
Anthracene*	mg/kg	0.2	N.D.	N.D.	N.D.
Fluoranthene*	mg/kg	0.2	N.D.	N.D.	N.D.
Pyrene*	mg/kg	0.2	N.D.	N.D.	N.D.
Chrysene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo(a)anthracene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo(b)fluoranthene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo(j)fluoranthene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo(k)fluoranthene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo[e]pyrene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo(a)pyrene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Indeno(1,2,3-cd)pyrene	mg/kg	0.2	N.D.	N.D.	N.D.
Dibenz(a,h)anthracene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo(g,h,i)perylene	mg/kg	0.2	N.D.	N.D.	N.D.
Sum 7 PAH*	mg/kg		N.D.	N.D.	0.3
Sum 18 PAH	mg/kg		N.D.	N.D.	0.8

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3. Test Result

3.6 PAHs test

- According as PAHs Decision AfPS GS 2014:01 PAK, PAHs analysis was determined by GC/MS.

Parameter	Unit	MDL	008	009	010
Naphthalene	mg/kg	0.2	N.D.	N.D.	N.D.
Acenaphthylene*	mg/kg	0.2	N.D.	N.D.	N.D.
Acenaphthene*	mg/kg	0.2	N.D.	N.D.	N.D.
Fluorene*	mg/kg	0.2	N.D.	N.D.	N.D.
Phenanthrene*	mg/kg	0.2	N.D.	N.D.	N.D.
Anthracene*	mg/kg	0.2	N.D.	N.D.	N.D.
Fluoranthene*	mg/kg	0.2	N.D.	N.D.	N.D.
Pyrene*	mg/kg	0.2	N.D.	N.D.	N.D.
Chrysene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo(a)anthracene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo(b)fluoranthene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo(j)fluoranthene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo(k)fluoranthene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo[e]pyrene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo(a)pyrene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Indeno(1,2,3-cd)pyrene	mg/kg	0.2	N.D.	N.D.	N.D.
Dibenz(a,h)anthracene [#]	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo(g,h,i)perylene	mg/kg	0.2	N.D.	N.D.	N.D.
Sum 7 PAH*	mg/kg		N.D.	N.D.	N.D.
Sum 18 PAH	mg/kg		N.D.	N.D.	N.D.

Remark:

1. MDL = Method Detection Limit
2. N.D. =Not Detected (<MDL)
3. "mg/kg" denotes milligram per kilogram
4. "[#]" denotes these 8 PAHs are also regulated by Annex XVII item 50 to REACH regulation (EC) No.1907/2006 and its amendment (EU) No.1272/2013.
5. According to AfPS GS 2014:01 PAK, there are separate limit of 11 PAHs excepted the item marked "*" in the list.

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3. Test Result

3.6 PAHs test

Limit for PAHs according as AfPS GS 2014:01 PAK

Parameter	Category 1	Category 2		Category 3	
	Materials indented to be put in the mouth, or materials of toys for children aged < 36 months with intended skin contact (contact >30s))	Materials not covered by category 1, with foreseeable skin contact for longer than 30s (long-term skin contact) or repeated short term skin contact		Materials not covered by category 1 or 2 with foreseeable skin contact up to 30s (short term skin contact)	
		Toys according to directive 2009/48/EC	All other products according to ProdSG	Toys according to directive 2009/48/EC	All other products according to ProdSG
Benzo[a]pyrene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[e]pyrene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[a]anthracene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[b]fluoranthene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[j]fluoranthene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[k]fluoranthene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Chrysene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Dibenzo[a,h]anthracene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo[ghi]perylene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Indeno[1,2,3-cd]pyrene mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene, mg/kg	<1 sum	<5 sum	<10 sum	<20 sum	<50 Sum
Naphthaline mg/kg	<1	<2		<10	
Sum 18 PAK mg/kg	<1	<5	<10	<20	<50

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3. Test Result

3.7 Specific migration of Formaldehyde, Cr(III), Cr(VI), Lithium, PFOA, PFOS and Phenolic substance (as phenol)

- with reference to DIN53704-1988 and BfR Recommendation part LI, sample preparation in selection of simulants and condition, followed by ICP-OES, UV-VIS Spectroscopy and HPLC/MS.

Simulant used	Test condition
3% Acetic Acid (W/V)	1.5 hours at 95°C

Test Item	Unit	Result	Maximum Permissible Limit
		006	
Formaldehyde	mg/kg	<1.0	15
Chromium III	mg/dm ²	<0.02	0.02
Chromium VI	mg/dm ²	<0.02	0.02
Lithium	mg/dm ²	<0.1	0.5
PFOA+PFOS	mg/dm ²	<0.005	0.005
Phenolic substance (as phenol)	mg/dm ²	<0.05	0.05

- Note:
1. "mg/kg" denotes milligram per kilogram.
 2. "mg/dm²" denotes milligram per square decimeter.
 3. "<" denotes less than.
 4. "%" denotes percentage.
 5. "°C" denotes degree Celsius.
 6. Detection Limit of Chromium VI is 0.02mg/dm².
 7. The test specification was quoted from BfR recommendation Part LI.

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3. Test Result

3.8 Extractable component

- With reference to Kunststoffe im Lebensmittelverkehr, Book 2, Teil B II, XV and Bundesgesundheitsbl. 46(2003) 362.

Simulant Used	Extractable Components (%)	Maximum Permissible Limit (%)
	010	
Deionized Water	<0.1	0.5
10% Ethanol (V/V)	<0.1	0.5

Note: 1. "%" denotes percentage of weight by weight.
2. "<" denotes less than.
3. Test specification was quoted from the recommendation BfR Part XV.

3.9 Specific migration of Formaldehyde

- With reference to EN1186 with selection of simulants and condition, followed by UV-VIS spectroscopy.

Simulant used	Test Condition	Result (ug/mL)	Maximum Permissible Limit (ug/mL)
		010	
3% Acetic Acid (W/V)	2 hour at 100°C	<1.0	3

Note: 1. "mg/kg" denotes milligram per kilogram.
2. "ug/mL" denotes microgram per milliliter.
3. "<" denotes less than.
4. "%" denotes percentage.
5. "°C" denotes degree Celsius.
6. Test specification was quoted from the recommendation BfR Part XV and XXI

3.10 Total Platinum content

- Acid digestion, followed by analysis using ICP-OES.

Test Item	Result (mg/kg)	Maximum Permissible Limit (mg/kg)
	010	
Platinum (Pt)	<10	50

Note: 1. "mg/kg" denotes milligram per kilogram.
2. "<" denotes less than.
3. Test specification was quoted from the recommendation BfR Part XV.

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3. Test Result

3.11 Volatile Organic Matter

- With reference to Bundesgesundheitsbl 46 (2003) 362

Test Items	Result (%)	Maximum Permissible Limit (%)
	010	
Volatile organic matter (VOM)	0.20	0.5

- Note:
1. “%” denotes percentage of weight by weight.
 2. “<” denotes less than.
 3. Test specification was quoted from the recommendation BfR Part XV.

3.12 Peroxide value

- With reference to Bundesgesundheitsbl. 40 (1997) 412

Test Item	Result	Maximum Permissible Limit
	010	
Peroxide Value	Absent	Absent

- Note:
1. Test specification was quoted from the recommendation BfR Part XV.

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3. Test Result

3.13 Extractable Heavy Metals

- Sample preparation hours per recommended simulants and conditions, then analysis by ICP-OES.

Simulant used	Test condition			
Artificial tap water	2 hour at 100°C			
Test Item	Result [mg/kg]			Unit [mg/kg]
	003			SRLs (for metals and alloy components)
	1st migration	2nd migration	3rd migration	
Aluminium(Al)	<0.5	<0.5	<0.5	5
Antimony(Sb)	<0.01	<0.01	<0.01	0.04
Chromium(Cr)	<0.02	<0.02	<0.02	0.25
Cobalt(Co)	<0.01	<0.01	<0.01	0.02
Copper(Cu)	<0.2	<0.2	<0.2	4
Iron (Fe)	<1.0	<1.0	<1.0	40
Manganese(Mn)	<0.2	<0.2	<0.2	1.8
Molybdenum(Mo)	<0.01	<0.01	<0.01	0.12
Nickel(Ni)	<0.01	<0.01	<0.01	0.14
Silvery(Ag)	<0.01	<0.01	<0.01	0.08
Tin(Sn)	<1.0	<1.0	<1.0	100
Vanadium(V)	<0.01	<0.01	<0.01	0.01
Zinc(Zn)	<0.5	<0.5	<0.5	5
Test Item	1st migration	2nd migration	3rd migration	SRLs (for metals as contaminants and impurities)
Arsenic(As)	<0.001	<0.001	<0.001	0.002
Barium(Ba)	0.3	<0.1	<0.1	1.2
Beryllium(Be)	<0.001	<0.001	<0.001	0.01
Cadmium(Cd)	<0.001	<0.001	<0.001	0.005
Lead(Pb)	<0.01	<0.01	<0.01	0.01
Lithium(Li)	<0.01	<0.01	<0.01	0.048
Mercury(Hg)	<0.001	<0.001	<0.001	0.003
Thallium(Ti)	<0.0001	<0.0001	<0.0001	0.0001

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3. Test Result

3.13 Extractable Heavy Metals

- Sample preparation hours per recommended simulants and conditions, then analysis by ICP-OES.

Simulant used	Test condition			
Artificial tap water	2 hour at 100°C			
Test Item	Result [mg/kg]			Unit [mg/kg]
	004			SRLs (for metals and alloy components)
	1st migration	2nd migration	3rd migration	
Aluminium(Al)	<0.5	<0.5	<0.5	5
Antimony(Sb)	<0.01	<0.01	<0.01	0.04
Chromium(Cr)	<0.02	<0.02	<0.02	0.25
Cobalt(Co)	<0.01	<0.01	<0.01	0.02
Copper(Cu)	<0.2	<0.2	<0.2	4
Iron (Fe)	26.3	11.3	<1.0	40
Manganese(Mn)	0.9	0.4	<0.2	1.8
Molybdenum(Mo)	0.02	<0.01	<0.01	0.12
Nickel(Ni)	<0.01	<0.01	<0.01	0.14
Silvery(Ag)	<0.01	<0.01	<0.01	0.08
Tin(Sn)	<1.0	<1.0	<1.0	100
Vanadium(V)	<0.01	<0.01	<0.01	0.01
Zinc(Zn)	<0.5	<0.5	<0.5	5
Test Item	1st migration	2nd migration	3rd migration	SRLs (for metals as contaminants and impurities)
Arsenic(As)	<0.001	<0.001	<0.001	0.002
Barium(Ba)	0.3	<0.1	<0.1	1.2
Beryllium(Be)	<0.001	<0.001	<0.001	0.01
Cadmium(Cd)	<0.001	<0.001	<0.001	0.005
Lead(Pb)	<0.01	<0.01	<0.01	0.01
Lithium(Li)	<0.01	<0.01	<0.01	0.048
Mercury(Hg)	<0.001	<0.001	<0.001	0.003
Thallium(Ti)	<0.0001	<0.0001	<0.0001	0.0001

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3. Test Result

3.13 Extractable Heavy Metals

- Sample preparation hours per recommended simulants and conditions, then analysis by ICP-OES.

Simulant used	Test condition			
Artificial tap water	2 hour at 100°C			
Test Item	Result [mg/kg]			Unit [mg/kg]
	005			SRLs (for metals and alloy components)
	1st migration	2nd migration	3rd migration	
Aluminium(Al)	<0.5	<0.5	<0.5	5
Antimony(Sb)	<0.01	<0.01	<0.01	0.04
Chromium(Cr)	<0.02	<0.02	<0.02	0.25
Cobalt(Co)	<0.01	<0.01	<0.01	0.02
Copper(Cu)	<0.2	<0.2	<0.2	4
Iron (Fe)	26.3	11.3	<1.0	40
Manganese(Mn)	0.9	0.4	<0.2	1.8
Molybdenum(Mo)	0.02	<0.01	<0.01	0.12
Nickel(Ni)	<0.01	<0.01	<0.01	0.14
Silvery(Ag)	<0.01	<0.01	<0.01	0.08
Tin(Sn)	<1.0	<1.0	<1.0	100
Vanadium(V)	<0.01	<0.01	<0.01	0.01
Zinc(Zn)	<0.5	<0.5	<0.5	5
Test Item	1st migration	2nd migration	3rd migration	SRLs (for metals as contaminants and impurities)
Arsenic(As)	<0.001	<0.001	<0.001	0.002
Barium(Ba)	0.3	<0.1	<0.1	1.2
Beryllium(Be)	<0.001	<0.001	<0.001	0.01
Cadmium(Cd)	<0.001	<0.001	<0.001	0.005
Lead(Pb)	<0.01	<0.01	<0.01	0.01
Lithium(Li)	<0.01	<0.01	<0.01	0.048
Mercury(Hg)	<0.001	<0.001	<0.001	0.003
Thallium(Tl)	<0.0001	<0.0001	<0.0001	0.0001

Remarks: (Articles for repeated use)

1. Compliance is established on the 3rd migration results
2. RESULT1st +RESULT2nd test <7xSRL

- Note:
1. "°C" denotes degree Celsius.
 2. "<" denotes less than.
 3. "%" denotes percentage.
 4. "mg/kg" denotes milligram per kilogram.
 5. "SRLs" denoted Specific Release Limits.
 6. Limit according to Council of Europe "Technical guide on metals and alloys in food contacted materials" (1st Edition)

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3. Test Result

3.14 Metal Composite

- Acid digestion, followed by analysis using Inductively Coupled Argon Plasma Spectrometer

Test Items	Unite	Result	Maximum Permissible Limit (Aluminum Alloy)
		003	
1. Silicon content	%	0.12	13.5 maximum
2. iron content	%	0.54	2.0 maximum
3. Magnesium content	%	0.19	11.0 maximum
4. Manganese content	%	0.70	4.0 maximum
5. Nickel content	%	<0.01	3.0 maximum
6. Copper content	%	0.05	0.6 maximum
7. Chromium content	%	0.01	0.35 maximum
8. Titanium content	%	0.04	0.3 maximum
9. Zinc content	%	0.02	0.25 maximum
10. Tin content	%	<0.01	0.05 maximum
11. Beryllium content	%	<0.01	0.05 maximum
12. Thallium content	%	<0.01	0.05 maximum
13. Zirconium content	%	<0.01	0.3 maximum

- Note:
1. "<" denotes less than.
 2. "%" denotes percentage.
 3. Test specification was quoted form EN601.

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3. Test Result

3.15 Leachable Lead and Cadmium content

- With reference to BS EN 1388-1/-2:1996, Lead, Cadmium and Cobalt in Ceramic/Glass/Enamel is extracted with 4% acetic acid at 22°C for 24 hours.

007	Test Result				Flatware Limit
	1	2	3	4	
Released Lead (mg/L)	<0.1	<0.1	<0.1	<0.1	see table 1
Released Cadmium (mg/L)	<0.01	<0.01	<0.01	<0.01	
Released Cobalt(mg/L)	<0.01	<0.01	<0.01	<0.01	0.1
Volume of 4% acetic acid used for vessel (ml)	150	150	150	150	--
Area (dm ²)	3.14	3.14	3.14	3.14	--

Table 1

Permissible limits for articles made from ceramics, glass ceramics with decorated inner surfaces, and for articles with enameled surfaces.

Item		Flatware		Hollow-ware	
		Lead (mg/dm ²)	Cadmium (mg/dm ²)	Lead (mg/L)	Cadmium (mg/L)
Tableware Kitchen Equipment	Made from ceramic, glass and glass ceramics	0.8*	0.07*	4.0*	0.3*
	Enameled	0.8	0.07	0.8	0.07
Cooking & baking utensils, receptacles also used as packaging storage container	Made from ceramic, glass and glass ceramics	0.4	0.05	1.5*	0.1*
	Enameled	0.1	0.05	0.4	0.07
Samples for enameled container, part of equipment and water heater		0.1	0.05	--	--

- Note:
1. Permissible limit of Lead and Cadmium is quoted from DIN51032:1986.
 2. "<" denotes less than.
 3. "mg/dm²" denotes milligram per square decimeter.
 4. "*"In agreement with EC Directive.

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APPENDIX I: Product Photo and Style No. Reference

Product photo:



RC28-GX1



RC42-AY2



DRC18S-PVA1



DRC18S-UWB1



SRC10-UVX1

Style No.:

1, R series rice cooker:

RC03,RC06-*XY,RC08-*XY,RC10-*XY,RC10A-*XY,RC15-*XY,RC15A-*XY,RC18-*XY,RC18A-*XY, RC18B-*XY,RC22-*XY,RC22A-*XY,RC28-*XY,RC28A-*XY,RC36-*XY,RC36A-*XY,RC42-*XY,RC42A-*XY,RC56-*XY,RC56A-*XY,RC78-*XY,RC80-*XY,RC85-*XY,RC85A-*XY,RC100-*XY,RC100A-*XY,RC120-*XY,GAOBO-06A,GAOBO-1.0A,GAOBO-1.2A,GAOBO-2A,GAOBO-2A4,GAOBO-3A,GAOBO-3A1,GAOBO-3.5A,GAOBO-4A,GAOBO-4.5A,GAOBO-5A1,GAOBO-5A,GAOBO-6A,GAOBO-6C,GAOBO-8A,GAOBO-8A1,GAOBO-9A,GAOBO-10A,GAOBO-13A,GAOBO-13A1,GAOBO-14A,GAOBO-15A,GAOBO-19A,GAOBO-19A1,GAOBO-23A,GAOBO-23A1,GAOBO-25A

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Remark:

First "*" = (G, I, J, K) indicates difference control panel for less than 1000 W (included 1000 W), other models indicates with (A, B, C, D, E, F). All control panel materials (included surface film and lamp cover) are the same, except color and shape.

Second "x" = (X, Y) indicates difference connection for less than 1000 W (included 1000 W), other models indicates with (Y). (Y=Fixed supply cord, X=Appliance inlet)

Third "y" = (1, 2, 3) indicates difference electric circuit for less than 1000 W (included 1000 W), other models indicates with (2, 3).

2, SRC series rice cooker:

SRC10-*XYZ, SRC15-*XYZ, SRC18-*XYZ, SRC18A-*XYZ, SRC18B-*XYZ, SRC22-*XYZ, SRC28-*XYZ, GAOBO-2A2, GAOBO-3A2, GAOBO-3.5A2, GAOBO-3.5A3, GAOBO-4A2, GAOBO-5A2, GAOBO-6A2

Remark:

First "*" = (M, N, O, P, Q, R, S, T or U) indicates difference control panel. All control panel materials (included surface film and lamp cover) are the same, except color and shape.

Second "x" = (V or W) indicates difference pattern of the appearance.

Third "y" = (X or Y) indicates difference connection. (Y=Fixed supply cord, X=Appliance inlet)

Fourth "Z" = (1, 2 or 3) indicates difference electric circuit.

3, DRC series rice cooker:

DRC10a-*XYZ, DRC15a-*XYZ, DRC18a-*XYZ, DRC22a-*XYZ, DRC28a-*XYZ, DRC28a1-*XYZ, DRC32a-*XYZ, DRC36a-*XYZ, GAOBO-2B, GAOBO-3B, GAOBO-3B1, GAOBO-4B, GAOBO-4B1, GAOBO-5B, GAOBO-5B1, GAOBO-6B, GAOBO-6B1, GAOBO-7B, GAOBO-8B, GAOBO-10B, GAOBO-10B1, GAOBO-13B, GAOBO-13B1, GAOBO-16B, GAOBO-16B1, GAOBO-18B, GAOBO-18B1, GAOBO-20B, GAOBO-20B1, GAOBO-22B, GAOBO-22B1, GAOBO-25B, GAOBO-25B1

Remark:

First "a" = (C or S) indicates difference bottom enclosure.

Second "*" = (M, N, O, P, Q, R, S, T or U) indicates difference control panel. All control panel materials. (Included surface film and lamp cover) are the same, except color and shape.

Third "X" = (V or W) indicates difference pattern of the appearance.

Fourth "y" = (A or B) indicates difference handle shape.

Fifth "Z" = (1, 2 or 3) indicates difference electric circuit.

Note:

The above listed Style No were only based on client's guarantee letter (self-declaration). TÜV SÜD takes no responsibility for any mistakes and the problems of product consistency caused by inaccurate and/or invalid information submitted by the client.

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