



China

Choose certainty.  
Add value.

## Technical Report No. 68.161.13.01228.01

Dated 2013-08-19

Applicant:	Foshan City Nan Hai Xin Nan Cooking Ware Co., Ltd
Address:	2-4 Xinhaidong Industries Zone, GuanYao, ShiShan Town, NanHai, Foshan City, Guangdong Province, China
Attn.:	Ms. Stefanie
Sample Description:	BSKT PERFD L/F SAUCE/VEG BSKT WS 14
Material Specification:	See APPENDIX 1
PO No.:	TT-Q-07-007
Buyer:	WEBER-STEPHEN PRODUCTS LLC
Country of Origin:	China
Exported to:	USA & EU
Sample Receive Date:	2013-07-24
Test Period:	From 2013-07-25 to 2013-08-06
Test Requested:	As specified by client, to test per the selected requirement(s) for the tested item(s) as stated in Regulation (EC) No.1935/2004
	1. For material: Plastics or coating <b>PASS</b> – Overall migration test for compliance with Regulation (EU) No. 10/2011 for plastic materials and article intended to come into contact with foodstuffs.
	2. For material: Plastics or coating <b>PASS</b> – Specific Migration of Primary Aromatic Amine
	3. For material: Non-stick coating <b>PASS</b> – Specific Migration of Formaldehyde

No extract, abridgment or abstraction from a test report may be published or used to advertise a product without the written consent of the Director of TÜV Product Service Ltd. The results contained herein apply only to the particular sample tested and to the specific test carried out and not to samples of the current production line.

Jiangsu TÜV Product Service Ltd. Shenzhen Branch  
TÜV SÜD Group  
6th Floor, H Hall, Culture Creative Park,  
No. 4001, Fuqiang Road, Futian District,  
Shenzhen 518048, P.R. China

Tel.: (86) 755 88286998  
Fax: (86) 755 88285299



China

Choose certainty.  
Add value.

**Technical Report No. 68.161.13.01228.01**  
**Dated 2013-08-19**

4. For material: Plastics or coating – Specific migration of Heavy metal (Ba, Co, Cu, Fe, Li, Mn, Zn)	<b>PASS</b>
5. For material: Non-stick coating – Specific Migration of Phenolic substances	<b>PASS</b>
6. For material: Non-stick coating – Specific Migration of PFOA and PFOS	<b>PASS</b>
7. For material: Non-stick coating – Low-molecular components: Chromium III, Chromium VI and Lithium content	<b>PASS</b>
8. For Glass / Ceramic / Porcelain / Enamel – Leachable Lead, Cadmium and Cobalt Content	<b>PASS</b>

Test Results: Refer to following page(s)

Remark: - The result relates only to the items tested.  
- The test item was specified by the client.

No extract, abridgment or abstraction from a test report may be published or used to advertise a product without the written consent of the Director of TÜV Product Service Ltd. The results contained herein apply only to the particular sample tested and to the specific test carried out and not to samples of the current production line.

Jiangsu TÜV Product Service Ltd. Shenzhen Branch  
TÜV SÜD Group  
6th Floor, H Hall, Culture Creative Park,  
No. 4001, Fuqiang Road, Futian District,  
Shenzhen 518048, P.R. China

Tel.: (86) 755 88286998  
Fax: (86) 755 88285299

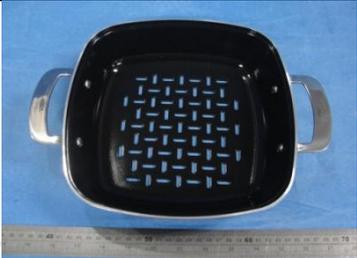


China

Choose certainty.  
Add value.

**Technical Report No. 68.161.13.01228.01**  
**Dated 2013-08-19**

**1. TESTED SUBJECT DESCRIPTION**

<b>SAMPLE NUMBER</b>	<b>ITEM NAME</b>	<b>TESTED MATERIAL DESCRIPTION</b>	<b>PHOTO</b>
001	BSKT PERFD L/F SAUCE/VEG BSKT WS 14	Black non-stick coating	





China

Choose certainty.  
Add value.**Technical Report No. 68.161.13.01228.01**

Dated 2013-08-19

**2. TEST RESULT****2.1. OVERALL MIGRATION TEST**

Test method: As specified in 82/711/EEC, 85/572/EEC, and 97/48/EC Directives; with reference to EN 1186:part 1, part 2, part 3, part 8, part 9 & part 14 :2002.

SIMULANT USED	TEST CONDITIONS	RESULT [mg/dm <sup>2</sup> ]	MAXIMUM PERMISSIBLE LIMIT [mg/dm <sup>2</sup> ]
		SAMPLE 001	
3% Acetic Acid	100°C for 2 hours	6.0	10
50% Ethanol	100°C for 2 hours	< 3.0	10
95% Ethanol	60°C for 6 hours	< 3.0	10
Iso-octane	60°C for 4 hours	< 3.0	10

Note:

- “°C” denotes degree Celsius
- “mg/dm<sup>2</sup>” denotes milligram per square decimeter
- “<” denotes less than
- The specification was quoted from Regulation (EU) No. 10/2011

**2.2. SPECIFIC MIGRATION OF PRIMARY AROMATIC AMINE TEST**

Test method: With reference to EN 1186-1: 2002, followed by Kunststoffe im Lebensmittelverkehr, Book 2, Teil B II, XXI.

TEST ITEM	RESULT [mg/kg]	MAXIMUM PERMISSIBLE LIMIT [mg/kg]
	SAMPLE 001	
Migration of Primary Aromatic Amine	< 0.01	Not Detected (< 0.01 mg/kg)

Note:

- “mg/kg” denotes milligram per kilogram
- “<” denotes less than
- The specification was quoted from Regulation (EU) No. 10/2011

**2.3. SPECIFIC MIGRATION OF FORMALDEHYDE TEST**

Test method: The samples were tested in 3% acetic acid at 100°C for 2 hours, followed by derivation measured by Ultraviolet-visible Spectrophotometer (UV-Vis).

TEST ITEM	RESULT [mg/kg]	MAXIMUM PERMISSIBLE LIMIT [mg/kg]
	SAMPLE 001	
Migration of Formaldehyde	< 1.0	15

Note:

- “°C” denotes degree Celsius



China

Choose certainty.  
Add value.**Technical Report No. 68.161.13.01228.01****Dated 2013-08-19**

- “<” denotes less than
- “mg/kg” denotes milligram per kilogram
- The specification was quoted from Regulation (EU) No. 10/2011

**2.4. SPECIFIC MIGRATION OF HEAVY METAL (BA, CO, CU, FE, LI, MN, ZN)**

Test method: As specified in Regulation (EU) No. 10/2011 ANNEX III and V, sample The samples were tested in 3% acetic acid at 100 °C for 2 hours, followed by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

TEST ITEM	RESULT[mg/kg]	MAXIMUM PERMISSIBLE LIMIT [mg/kg]
	SAMPLE 001	
Barium (Ba)	< 0.1	1
Cobalt (Co)	< 0.050	0.05
Copper (Cu)	< 0.50	5
Iron (Fe)	< 1.0	48
Lithium (Li)	< 0.10	0.6
Manganese (Mn)	0.09	0.6
Zinc (Zn)	< 1.0	25

Note:

- “<” denotes less than
- “°C” denotes degree Celsius
- “mg/kg” denotes milligram per kilogram
- The specification was quoted from Regulation (EU) No. 10/2011

**2.5. SPECIFIC MIGRATION OF PHENOLIC SUBSTANCES TEST**

Test method: With reference to DIN 53704:1988, followed by Ultraviolet–visible Spectrophotometer (UV-Vis).

TEST ITEM	RESULT [mg/dm <sup>2</sup> ]	MAXIMUM PERMISSIBLE LIMIT [mg/dm <sup>2</sup> ]
	SAMPLE 001	
Migration of Phenolic Substances	< 0.05	0.05

Note:

- “mg/dm<sup>2</sup>” denotes milligram per square decimeter
- “<” denotes less than
- The specification was quoted from the Recommendation of the BfR “Kunststoffe im Lebensmittelverkehr” Part LI “Temperature Resistant Polymer Coating Systems for Frying, Cooking and Baking Utensils”



China

Choose certainty.  
Add value.**Technical Report No. 68.161.13.01228.01****Dated 2013-08-19****2.6. SPECIFIC MIGRATION OF PFOA AND PFOS TEST**

Test method: The samples were tested in 95% ethanol at 60°C for 6 hours, followed by Liquid Chromatography/Mass Spectrometry (LC-MS) analysis.

TEST ITEM	RESULT [mg/dm <sup>2</sup> ]	MAXIMUM PERMISSIBLE LIMIT [mg/dm <sup>2</sup> ]
	SAMPLE 001	
Migration of PFOA	< 0.001	Total 0.005
Migration of PFOS	< 0.001	
Migration of PFOA + PFOS	< 0.002	

Note:

- “°C” denotes degree Celsius
- “mg/dm<sup>2</sup>” denotes milligram per square decimeter
- “<” denotes less than
- The specification was quoted from the Recommendation of the BfR “Kunststoffe im Lebensmittelverkehr” Part LI “Temperature Resistant Polymer Coating Systems for Frying, Cooking and Baking Utensils”

**2.7. SPECIFIC MIGRATION OF CHROMIUM III, CHROMIUM VI AND LITHIUM TEST**

Test method: The samples were tested in 3% acetic acid at 100°C for 2 hours, followed by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

TEST ITEM	RESULT [mg/dm <sup>2</sup> ]	MAXIMUM PERMISSIBLE LIMIT [mg/dm <sup>2</sup> ]
	SAMPLE 001	
Migration of Chromium III	< 0.01	0.02
Migration of Chromium VI	N.D.	Not Detected
Migration of Lithium	< 0.10	0.5

Note:

- “°C” denotes degree Celsius
- “mg/dm<sup>2</sup>” denotes milligram per square decimeter
- “<” denotes less than
- “N.D.” denotes Not Detected with Detection limit 0.010 mg/dm<sup>2</sup>
- The specification was quoted from the Recommendation of the BfR “Kunststoffe im Lebensmittelverkehr” Part LI “Temperature Resistant Polymer Coating Systems for Frying, Cooking and Baking Utensils”



China

Choose certainty.  
Add value.

**Technical Report No. 68.161.13.01228.01**

**Dated 2013-08-19**

**2.8. LEACHABLE LEAD, CADMIUM AND COBALT CONTENT TEST**

Test method: With reference to DIN EN 1388: Part 1: 1995 and DIN EN 1388: Part 2: 1995.

TEST ITEM	RESULT [mg/dm <sup>2</sup> ]	MAXIMUM PERMISSIBLE LIMIT [mg/dm <sup>2</sup> ]
	SAMPLE 001	
Leachable Lead	< 0.10	0.8
Leachable Cadmium	< 0.02	0.07

TEST ITEM	RESULT [mg/L]	RECOMMENDED LIMIT [mg/L]
	SAMPLE 001	
Leachable Cobalt	< 0.01	0.1

Note:

- “mg/dm<sup>2</sup>” denotes milligram per square decimeter
- “mg/L” denotes milligram per Litre
- “<” denotes less than
- The specification was quoted from DIN 51032:1986 Directive for article as flatware (category 1).
- The recommended limit of Cobalt was quoted from Germany Bavarian State Ministry of Justice and Consumer Protection

\*\*\*\*\*

Jiangsu TÜV Product Service Ltd. Shenzhen Branch  
TÜV SÜD Group

Prepared by:

Rianna Zhang  
Senior Project Coordinator



Reviewed by:

Brady Yu  
Project Manager



China

Choose certainty.  
Add value.

**Technical Report No. 68.161.13.01228.01**  
**Dated 2013-08-19**

**APPENDIX 1:**

Below information was specified by client:

Buyer	Supplier	Item Description / Item Number	Affect Part Number	Part Description	Component	Material Specification	Trader Name	Raw Material Supplier Name
WEBER STEPHEN PRODUCTS LLC	FOSHAN CITY NANHAI XINNAN COOKING WARE CO., LTD.	Poultry Infusion Roaster (Item# 6731)	40364200	(i) ROASTER ASSY POULTRY ROASTER WS 14	40364300 40364400 40364500	(i) Substrate of Poultry Roaster: ADC12 (ii) Interior Coating: CERASOL Ceramic Coating STBK01-IS; Black	(i) ADC-12: CHANGDE METAL CASTING FACTORY (ii) Ceramic Coat: Cerasol Holdings Limited	(i) ADC-12: FOSHAN CITY NANHAI CAOBIAN NINGXING CASTING FACTORY (ii) Ceramic Coat: Cerasol Holdings Limited
WEBER STEPHEN PRODUCTS LLC	FOSHAN CITY NANHAI XINNAN COOKING WARE CO., LTD.	Ceramic Coated Grill Pan Set (Item# 6732)	40362600 40362500	(ii) BSKT PERFD ASSYL/FSAUCE/VEG BSKTWS14 (iii) BSKT ASSY L/F SAUCE/VEG BSKT WS 14	40362400 40362300 85247 85266	(i) Substrate of Basket: Aluminum Alloy 3003 / thk.: 0.098±0.005 [2.5±0.13]; (ii) Interiro coating of Basket: CERASOL Ceramic Coating STBK01-IS ; Black (iii) Exterior Coating: 3301-007960 (GREBLON Decor 12-1010-467499). (iv) Handle: SS430; thk.: 0.125±0.006 [4.06±0.15]; Finish: #4; Etching logo (v) Rivet: SS430; Ø0.100" / Finish: #4; Etching logo	(i) Aluminum Alloy: WUHAN WEIHUA ALUMINUM CO.,LTD. (ii) Ceramic Coat: Cerasol Holdings Limited (iii) High Temp Paint: CMW Coatings (Guangzhou) Limited (iv): Handle: SS430 NANHAI GUANYAO YINGYI MATEL FACTORY (v) Rivet: FOSHAN CITY SHENGFENG STAINLESS STEEL MATERIAL CO.,LTD.	(i) Aluminum Alloy: WUHAN WEIHUA ALUMINUM CO.,LTD. (ii) Ceramic Coat: Cerasol Holdings Limited (iii) High Temp Paint: CMW Coatings (Guangzhou) Limited (iv): Handle: SS430: SHANXI TAIGANG STAINLESS STEEL CO.,LTD. (v) Rivet: FOSHAN CITY SHENGFENG STAINLESS STEEL MATERIAL CO.,LTD.

\*\*\*\*\*