



## Test Report

No.: GZ1009103524/CHEM

Date: SEP 26, 2010

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WUXI CHANGFENG TEMPERED GLASS FACTORY  
HUANGNIBA VILLAGE, YUQI COUNTY, WUXI JIANGSU, CHINA

The following sample(s) was/were submitted and identified on behalf of the applicant as Glass cuttingboard

SGS Job No. : SHD201026427  
Date of Sample Received : SEP 06, 2010  
Testing Period : SEP 06, 2010 TO SEP 26, 2010

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31, DIN 51032:1986, European Commission Directive 2002/72/EC and BfR recommendation.  
1) For material: Coating – Overall migration test.  
2) Sensorial examination odour and taste test.  
3) For material: Glass – Leachable Lead and Cadmium.

Test Method : 1) With reference to EN 1186-1:2002 for selection of conditions and test methods;  
EN 1186-3:2002 for overall migration into aqueous food simulants by total immersion method;  
EN 1186-14:2002 for overall migration into iso-octane and 95% aqueous ethanol.  
2) Robinson's test with reference to DIN10955:2004-06  
Test condition : Odor test: 23 °C, 24 hours  
Taste test: Distilled water, 40 °C, 0.5 hour  
No. of panelist : Six  
3) With reference to EN 1388: 1995.  
Analysis was performed by ICP-OES.

Test Results : Please refer to the next page.

Conclusion : When tested as specified, the submitted sample(s) No.2 comply with the limit as stated in the German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30.

Signed for and on behalf of  
SGS-CSTC Ltd.

Leo Wang  
Approved Signatory

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Member of the SGS Group (SGS SA)

Test Results :

1)

Simulant Used	Test Condition	Overall Migration (mg/dm <sup>2</sup> )	Maximum Permissible Limit (mg/dm <sup>2</sup> )
		Sample No.1	
Distilled water	0.5 hour at 40°C	< 3.0	10
3% Acetic acid (w/v)	0.5 hour at 40°C	< 3.0	10
50% Ethanol (v/v)	0.5 hour at 40°C	< 3.0	10
Substitute of Olive oil	-	-	-
95% Ethanol	0.5 hour at 40°C	< 3.0	10
Iso-octane	0.5 hour at 20°C	< 3.0	10

Note : 1. mg/dm<sup>2</sup> = milligram per square decimeter  
 2. °C = degree Celsius  
 3. < = less than  
 4. “-“ = Not regulated  
 5. Change in physical carried out during test

2)

Test Item	Result	Maximum Permissible Limit
	No.1	
Sensorial examination odour (Point scale)	0	2.5
Sensorial examination taste (Point scale)	0	2.5

Remark :

Odour / Taste	Grade
No difference from natural sample	0
Just barely perceivable difference	1
Weak but definable difference	2
Clearly perceivable difference	3
Strong difference	4

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3)  
Release of Lead and Cadmium

Flatware 1

PASS

No.2	Surface Area (dm <sup>2</sup> )	Extract Volume (ml)	Lead (mg/dm <sup>2</sup> )	Cadmium (mg/dm <sup>2</sup> )
1			< 0.1	< 0.01
2	31.72	5297	< 0.1	< 0.01
3			< 0.1	< 0.01
4			< 0.1	< 0.01
	Limit		0.8	0.07

All results were read directly from ICP-OES.

Note : 1. < = Less than

Remark:

Category	Internal depth (mm)	Material	range
Flatware 1	≤ 25	Ceramics, glass and glass ceramics	Tableware, kitchen equipment
Hollow-ware 1	> 25	Ceramics, glass and glass ceramics	Tableware, kitchen equipment
Flatware 2	≤ 25	Enamelled	Tableware, kitchen equipment
Hollow-ware 2	> 25	Enamelled	Tableware, kitchen equipment
Flatware 3	≤ 25	Ceramics, glass and glass ceramics	Cooking and baking utensils, receptacles also used as packaging storage containers
Hollow-ware 3	> 25	Ceramics, glass and glass ceramics	Cooking and baking utensils, receptacles also used as packaging storage containers
Flatware 4	≤ 25	Enamelled	Cooking and baking utensils, receptacles also used as packaging storage containers
Hollow-ware 4	> 25	Enamelled	Cooking and baking utensils, receptacles also used as packaging storage containers
Flatware 5	Samples for enamelled containers parts or equipment and water heaters		
Drinking Rim	20 mm wide section of the external surface of a drinking vessel, measured downwards from the upper edge along the wall of the vessel		

Test Part Description:

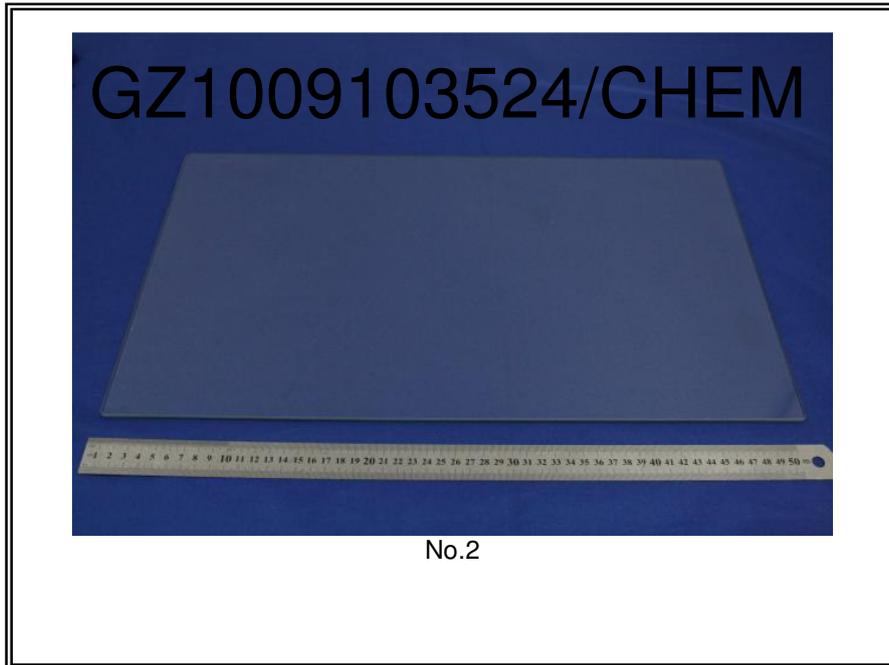
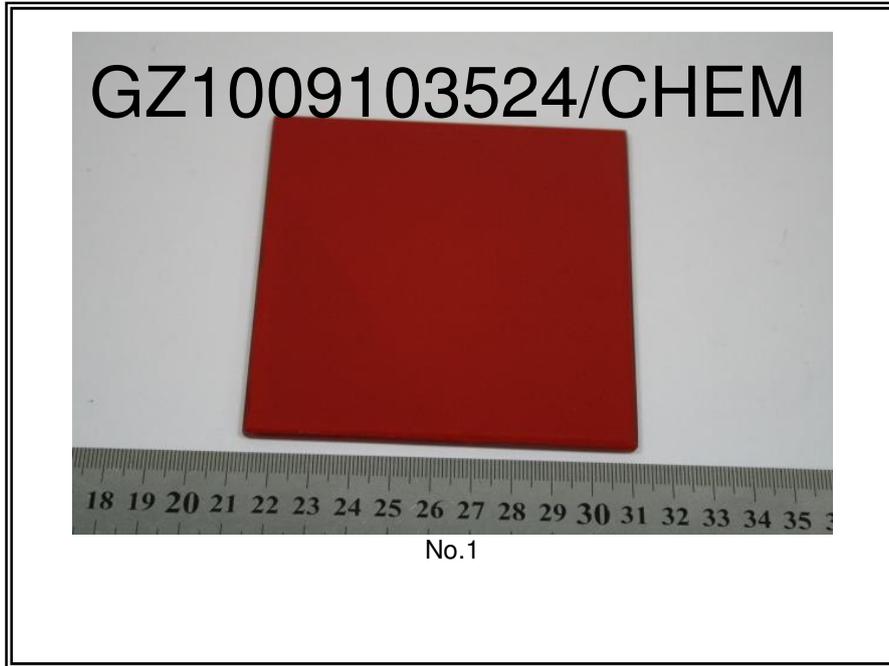
No.1 Transparent glass w/ red coating

No.2 Transparent glass

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Sample photo :



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\*\*\* End of Report \*\*\*

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