

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 cuttingborad

SGS Job No. : SHD201024944(GZ1009103528/CHEM)
Date of Sample Received : SEP 06, 2010
Testing Period : SEP 06, 2010 TO SEP 20, 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: Plastics – Overall migration test.
2) For material: PP – Catalyst residue, Chromium, Vanadium and Zirconium content.
3) For material: Glass – Leachable Lead and Cadmium.
4) Sensorial examination odour and taste test.

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) Acid digestion, followed by analysis using ICP-OES.
3) With reference to EN 1388: 1995.
Analysis was performed by ICP-OES.
3) Robinson's test with reference to DIN10955:2004-06
Test condition : Odor test: 23°C, 24 hours
Taste test: Distilled water, 70°C, 2 hours
No. of panelist : Six

Test Results : Please refer to the next page.

Conclusion : When tested as specified, the submitted sample(s) comply with the limit as stated in the German Food, Articles of Daily Use and Feed Code of September 1, 2005 LFGB), Section 30&31.

Signed for and on behalf of
SGS-CSTC Ltd.


Geng Lu
Senior Technical Manager

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Test Results :

1)

Simulant Used	Test Condition	Overall Migration (mg/dm ²)	Maximum Permissible Limit (mg/dm ²)
		Sample No.1	
Distilled water	2 hours at 70°C	< 3.0	10
3% Acetic acid (w/v)	2 hours at 70°C	< 3.0	10
50% Ethanol (v/v)	2 hours at 70°C	< 3.0	10
Substitute of Olive oil	-	-	-
95% Ethanol	2 hours at 60°C	< 3.0	10
Iso-octane	0.5 hour at 40°C	< 3.0	10

Note : 1. mg/dm² = milligram per square decimeter
 2. °C = degree Celsius
 3. < = less than
 4. "-" = Not regulated

2)

Test Item	Result(mg/kg)	Maximum Permissible Limit (mg/kg)
	No.1	
Total Chromium content	< 5	10
Total Vanadium content	< 20	20
Total Zirconium content	< 20	100

Note: 1. mg/kg = milligram per kilogram
 2. < = less than

3)

Release of Lead and Cadmium

Flatware 1

No.2	Surface Area (dm ²)	Extract Volume (ml)	PASS	
			Lead (mg/dm ²)	Cadmium (mg/dm ²)
1	31.20	5210	< 0.1	< 0.01
2			< 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

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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		

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3)

Test Item	Result	Maximum Permissible Limit
	No.3	
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

Test Part Description:

- No.1 White plastic sheet w/ multicolor surface
- No.2 Transparent glass
- No.3 Finished product

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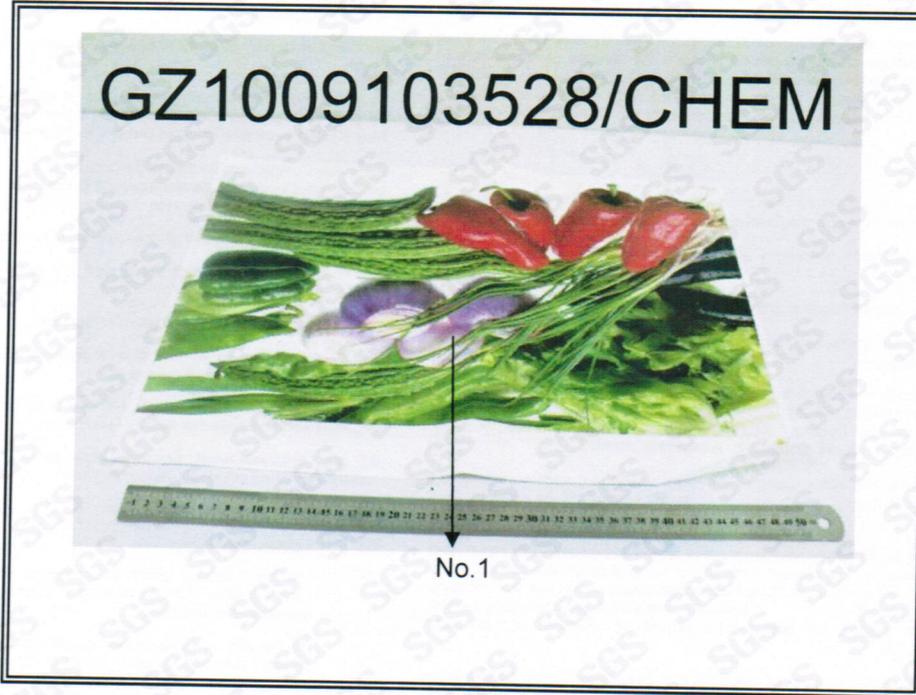


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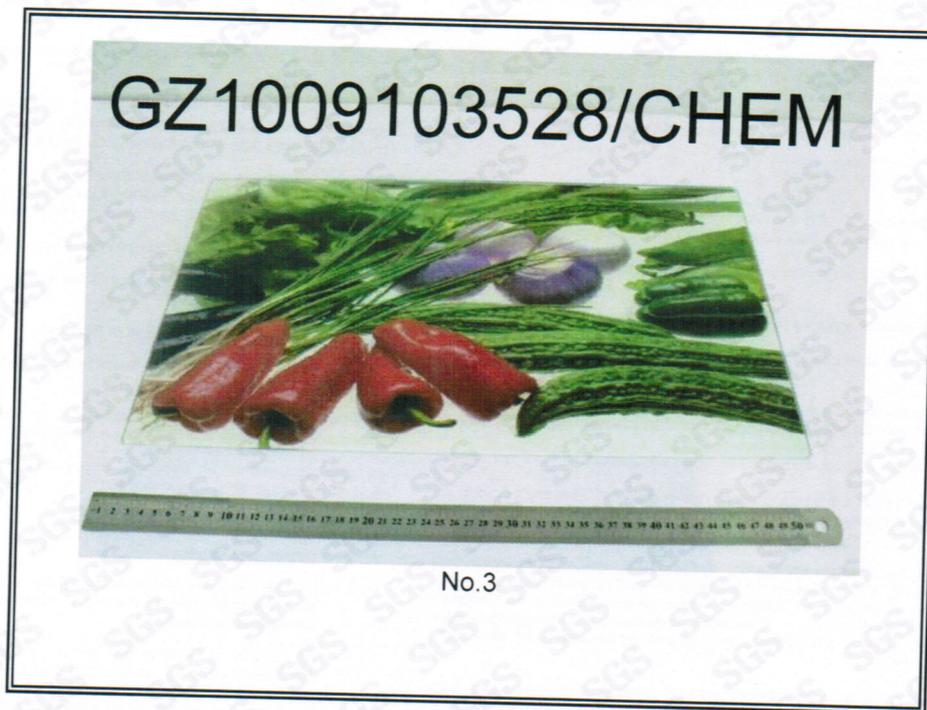
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