

Test Report

No. SHAEC1118170401

Date: 02 Dec 2011

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YUNNAN YUNTIANHUA CO.,LTD

YUNNAN YUNTIANHUA CO.,LTD,SHUIFU,YUNNAN,CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : ACETAL COPOLYMER M90

SGS Job No. : SP11-032716 - SH

Model No. : M90

Composition : ACETAL COPOLYMER

Date of Sample Received : 10 Nov 2011

Testing Period : 10 Nov 2011 - 02 Dec 2011

Test Requested : Selected test(s) as requested by client.

Test Method : Please refer to next page(s).

Test Results : Please refer to next page(s).

Conclusion : When tested as specified, the tested parameters comply with the overall migration requirements stated in Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food.

When tested as specified, the tested parameters comply with the Specific Migration of Heavy Metal requirements stated in Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food.

Signed for and on behalf of
SGS-CSTC Ltd.



Fan Jingjie, JJ

Approved Signatory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
1	SHA11-181704.001	White plastic board

Overall migration

Test Requested : To determine the Overall Migration for compliance with Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food.

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of stimulant and conditions.

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

EN1186-2:2002 olive oil by total immersion method;

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001 Overall Migration</u>
10% Ethanol (V/V) Aqueous Solution	4.0hr	100°C	10mg/dm ²	3.0mg/dm ²
3% Acetic Acid (W/V) Aqueous Solution	4.0hr	100°C	10mg/dm ²	<3.0mg/dm ²
20% Ethanol (V/V) Aqueous Solution	4.0hr	100°C	10mg/dm ²	<3.0mg/dm ²
50% Ethanol (V/V) Aqueous Solution	4.0hr	100°C	10mg/dm ²	5.0mg/dm ²
Rectified Olive Oil	2.0hr	175°C	10mg/dm ²	7.7mg/dm ²

Notes :

- (1) mg/dm²=milligram per square decimeter
- (2) °C=degree Celsius
- (3) <= less than
- (4) Analytical tolerance of aqueous simulants is 1 mg/dm².
- (5) Analytical tolerance of fatty food simulants is 3 mg/dm².
- (6) Test condition & simulant were specified by client.

Specific Migration of Heavy Metal

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Test Requested : To determine the Specific Migration of Heavy Metal for compliance with Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food.

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of stimulant and conditions, EN13130-1:2004 for selection of test method, Samples were prepared at specific condition, followed by analysis using ICP-OES.

Sample 001

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

Test Condition : 70 °C 24.0 hr

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test Result
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.05	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	25	mg/kg	0.5	ND

Notes :

- (1) MDL = Method Detection Limit
- (2) ND = Not Detected (< MDL)
- (3) Test condition & simulant were specified by client.



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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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