

## Test Report

No. SHAEC1008275102

Date: 23 Jun 2010

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HANGZHOU FREETRON INDUSTRIAL CO.,LTD

CHUN JIANG ROAD NO1117,ECONOMIC DEVLOPMENT AREA OF TONGLU,ZHEJIANG  
311501, CHINA

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

SGS Job No. : SP10-020325 - SH  
Composition : SILICONE  
Lot No. : 2010-5-21  
Date of Sample Received : 12 Jun 2010  
Testing Period : 12 Jun 2010 - 22 Jun 2010  
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 submitted sample complies with the limit as stated in French Arrêté du 25 Novembre 1992, French Décret 92-631 and French Décret 2007-766.

Signed for and on behalf of  
SGS-CSTC Ltd.

*Crystal Zhou*

Zhou Yan, Crystal  
Approved Signatory

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Test Results :

### Test Part Description :

Specimen No.	SGS Sample ID	Description
1	SHA10-082751.001	Translucent silicone rubber

### Overall migration

Test Requested : In accordance with French Arrêté du 25 Novembre 1992, French Décret 92-631 and French Décret 2007-766.

For material: Silicon rubber - Overall Migration test.

Test Method : With reference to EN1186-1:2002 for selection of conditions and test method;  
EN1186-3:2002 aqueous food simulants by total immersion method;  
EN 1186-14:2002 substitute test

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001 Overall Migration</u>
Deionized Water	4.0hr	100°C	10.0mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>
3% Acetic Acid	4.0hr	100°C	10.0mg/dm <sup>2</sup>	4.9mg/dm <sup>2</sup>
95% Ethanol (V/V) Aqueous Solution (Rectified Oliver Oil Substitute)	3.0hr	60°C	10.0mg/dm <sup>2</sup>	5.2mg/dm <sup>2</sup>
Isooctane (Rectified Oliver Oil Substitute)	2.0hr	60°C	10.0mg/dm <sup>2</sup>	3.1mg/dm <sup>2</sup>
10% Ethanol	4.0hr	100°C	10.0mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>

Notes :

- (1) Analytical tolerance of aqueous simulants is 1 mg/dm<sup>2</sup>
- (2) Analytical tolerance of fatty food simulants is 3 mg/dm<sup>2</sup>

### Peroxide value

Test Requested : In accordance with French Arrêté du 25 Novembre 1992, French Décret 92-631 and French Décret 2007-766.

For material: Silicon rubber - Peroxide value.

Test Method : With reference to European pharmacopoeia, 2005 Appendix X F. Peroxide Value method A

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<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Peroxide Value	Absent	Absent

### Specific migration of Tin

Test Requested : In accordance with French Arrêté du 25 Novembre 1992, French Décret 92-631 and French Décret 2007-766.

For material: Silicon rubber - Specific migration of organotin (as Tin).

Test Method : Sample preparation in 3% acetic acid at 70°C for 2 hours, followed by analysis using ICP-OES.

### Sample 001

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Specific Migration</u>
Specific migration of Tin in 3% acetic acid	0.1	mg/kg	0.01	0.03

#### Notes :

mg/kg = milligram per kilogram of foodstuff in contact with

### Volatile Organic Matter (VOM)

Test Requested : In accordance with French Arrêté du 25 Novembre 1992, French Décret 92-631 and French Décret 2007-766.

For material: Silicon rubber - Volatile Organic Matter (VOM)

Test Method : With reference to French Arrêté du November 1992 Annex III

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Volatile organic matter (VOM)	0.5	%	0.05	0.1

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Sample photo:



SGS authenticate the photo on original report only

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

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