

Test Report

No. SHAEC1008275101

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 permissible safety limit as specified in LFGB, Section 30 and 31.

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

Extractable component

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, Council of Europe Resolution AP (2004) 5 and BfR recommendation.

For material: silicon rubber - Extractable component

Test Method : With reference to 61st Communication on testing of plastics in Bundesgesundheitsbl 46 (2003) 362.

Simulant Used	Time	Temperature	Max. Permissible Limit	Result of 001 Extractives
Distilled water	5.0hr	reflux temperature	0.5% (w/w)	<0.1% (w/w)
3% Acetic acid	5.0hr	reflux temperature	0.5% (w/w)	0.3% (w/w)
10% Ethanol	5.0hr	reflux temperature	0.5% (w/w)	<0.1% (w/w)

Notes :

%w/w =percentage of weight by weight

Peroxide value

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, Council of Europe Resolution AP (2004) 5 and BfR recommendation.

For material: silicon rubber -Peroxide value

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

Test Item(s)	Limit	001
Peroxide Value	Absent	Absent

Sensorial examination odour and taste test

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Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, Council of Europe Resolution AP (2004) 5 and BfR recommendation.
Sensorial examination odour and taste test

Test Method : Robinson`s test with reference to DIN 10955:1983 (2004).
Test condition:100°C 1 hour
Test media: Distilled water
No. of panelist: 5

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Sensorial examination odour (Point scale)	2.5	0
Sensorial examination taste (Point scale)	2.5	0

Notes :

Scale evaluation:

- 0: No perceptible odour
- 1: Odour just perceptible (still difficult to define)
- 2: Moderate odour
- 3: Moderately strong odour
- 4: Strong odour

Volatile organic matter

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, Council of Europe Resolution AP (2004) 5 and BfR recommendation.
For material: silicon rubber - Volatile organic matter (VOM)

Test Method : With reference to 60. Mitteilung über die Untersuchung von Kunststoffen, Bundesgesundheitsbl 45 (2002) 462 and LFGB § 64 BVL B 80.30.1(EG).
Test condition :200°C, 4 hours

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

Notes :

%(w/w) =percentage of weight by weight

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Organotin content (Monobutyltin, Dibutyltin, Tributyltin, Tetrabutyltin, Triphenyltin, Mono-octyltin, Di-octyltin)

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, Council of Europe Resolution AP (2004) 5 and BfR recommendation.

For material: silicon rubber – Organotin content (Monobutyltin, Dibutyltin, Tributyltin, Tetrabutyltin, Triphenyltin, Mono-octyltin, Di-octyltin)

Test Method : Solvent extraction, analysis was performed by GC.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Monobutyl tin (MBT)	Absent	mg/kg	0.02	ND
Dibutyl tin (DBT)	Absent	mg/kg	0.02	ND
Tributyl tin (TBT)	Absent	mg/kg	0.02	ND
Mono-octyl tin (MOT)	Absent	mg/kg	0.02	ND
Tetrabutyl tin (TTBT)	Absent	mg/kg	0.02	ND
Di-octyl tin (DOT)	Absent	mg/kg	0.02	ND
Triphenyl tin (TPT)	Absent	mg/kg	0.02	ND

Notes :

Detection Limit is 0.02 mg/kg

Sample photo:



SGS authenticate the photo on original report only

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*** End of Report ***

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