

Test Report

No. SHAHG1212837901

Date: 02 Aug 2012

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JIANGXI JINFANDA BIOCHEMICAL CO.,LTD

FINE CHEMICAL PARK, QIANSHAN COUNTY, JIANGXI PROVINCE, CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : GAS PHASE SILICON RUBBER

SGS Job No. : SHHG1207025860SD - SH

Item No. : 2012070794

Supplier : JIANGXI JINFANDA BIOCHEMICAL CO.,LTD

Style No. : JF-3560

Date of Sample Received : 25 Jul 2012

Testing Period : 25 Jul 2012 - 02 Aug 2012

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 permissible safety limit as specified in LFGB, Section 30 , 31 and Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004.

Signed for and on behalf of
SGS-CSTC Ltd.



Liu Haipeng, Helen
Approved Signatory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
1	SHA12-128379.001	Translucent silicone rubber sheet

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, BfR recommendation and Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004.
For material: silicon rubber – Extractable component

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

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

Notes :

(1) %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, BfR recommendation and Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October.
For material: silicon rubber –Peroxide value

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

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

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Sensorial examination odour and taste test

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, BfR recommendation and Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004.

Sensorial examination odour and taste test

Test Method : Sensory test with reference to DIN 10955:1983 (2004).

Test media: Distilled water;

No.of panelist: 6

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Test Time(hr)	-	4
Temperature(°C)	-	100
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

Lead(Pb) and Cadmium(Cd)

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, BfR recommendation and Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October.

For material: silicon rubber - Lead(Pb) and Cadmium (Cd)

Test Method : Total Lead and Cadmium: Acidic digestion, analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Total Lead	Absent	mg/kg	2	ND
Total Cadmium	Absent	mg/kg	2	ND

Notes :

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- (1) mg/kg = milligram per kilogram
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)

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, BfR recommendation and Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004.

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 :100°C, 4hours

<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

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, BfR recommendation and Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October.

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

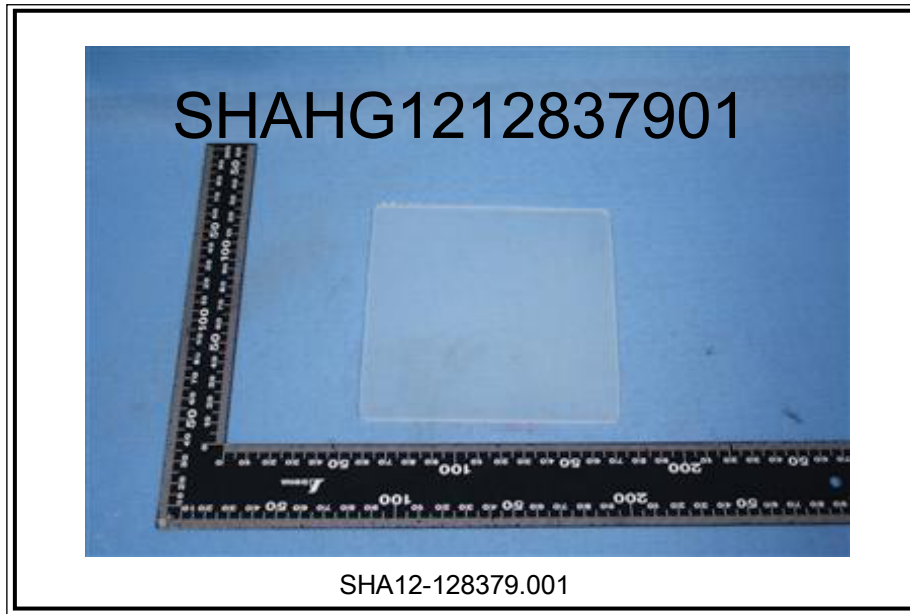
Test Method : Solvent extraction followed by analysis using GC-MS.

<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

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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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