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ZHONGSHAN POLYMER ELECTRONIC MATERIA CO. LTD YANGJIANG WEST ROAD 2, TORCH DEVELOPMENT ZONE ZHONGSHAN CITY GUANGDONG PROVINCE

The following sample(s) was/were submitted and identified on behalf of the applicant as High consistancy rubber

SGS Job No. Client Reference In Manufacturer Date of Sample Red Testing Period	: SCATR091204011 formation : Model: 1XY 系列/ 5XY 系列 X (2-8 表示硬度)Y (0-9 表示物性) : ZHONGSHAN POLYMER ELECTRONIC MATERIA CO. LTD : DEC 07, 2009 : DEC 07, 2009 TO DEC 11, 2009
Test Requested	<ul> <li>: A: As specified by client, with reference to German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 &amp; 31 and BfR recommendation.</li> <li>1) For material: Silicon Rubber – Extractable components test.</li> <li>2) For material: Silicon Rubber – Volatile organic matter (VOM).</li> <li>3) For material: Silicon Rubber – Peroxide Value.</li> <li>4) For material: Silicon Rubber – Organotin content.</li> <li>5) Sensorial examination odour and taste test.</li> <li>B: As specified by client, to determine the Overall Migration with reference to Council of Europe Resolution AP(2004)5 relating to silicone rubber materials and articles intended to come into contact with fatty foodstuffs</li> </ul>
Test Method	<ul> <li>: A: 1) With reference to 61<sup>st</sup> Communication on testing of plastics in Bundesgesundheitsbl 46(2003) 362.</li> <li>2) With reference to LFGB BfR Part B Part II Section XV, May 2003 and LFGB section 35 B80.30 1 (EG).</li> <li>3) With reference to European Pharmacopoeia, 1997, p.173.</li> <li>4) Solvent extraction followed by analysis using Gas Chromatography Spectrometry.</li> <li>5) Robinson's test with reference to DIN10955: 1983 (2003). Test condition : Room temperature, 24 hours Test media : Distilled water No. of panelist : Five</li> <li>B: With reference to EN 1186-1:2002 for selection of conditions and test methods; EN 1186-2:2002 olive oil by total immersion method.</li> </ul>
Test Results	: Please refer to next page(s).
Conclusion	: A: When tested as specified, the submitted sample(s) comply with the limit as stated in the Germen 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.

aum

Leo Wang Lab Sr. Supervisor

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Results :

A: 1)

Simulant Used	Temperature and Condition	Extractable components (% w/w) No 1	Maximum Permissible Limit (% w/w)
Distilled Water	Reflux temperature, 5 hours	< 0.1	0.5
3% Acetic Acid	Reflux temperature, 5 hours	< 0.1	0.5
10% Ethanol	Reflux temperature, 5 hours	< 0.1	0.5

# Note : 1. < = Less than

2. % w/w = Percentage of weight by weight

2)

Tost Itoms	Result (% w/w)	Maximum Pormissible Limit (% w/w)	
	No.1		
Volatile Organic Matter (VOM)	0.13	0.5	

Note : 1. < = Less than

2. % w/w = Percentage of weight by weight

3)

Test Item	Result	Maximum
	No.1	Permissible Limit
Peroxide Value	Absent	Absent

4)

Test Item	Result (mg/kg)	Maximum Permissible Limit (mg/kg)	
Organolin	INU. I		
Monobutyltin(MBT)	N.D.	Absent	
Dibutyltin(DBT)	N.D.	Absent	
Tributyltin(TBT)	N.D.	Absent	
Tetrabutyltin(TeBT)	N.D.	Absent	
Triphenyltin(TPT)	N.D.	Absent	
Monooctyltin(MOT)	N.D.	Absent	
Dioctyltin(DOT)	N.D.	Absent	

Note : 1. N.D. = Not Detected

- 2. mg/kg = ppm
- 3. Detection Limit is 0.02 mg/kg

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# 5)

Tast Itom	Result	Maximum Parmissible Limit
	No.1	
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

# B:

Simulant Used	Test Condition	Overall Migration (mg/dm <sup>2</sup> ) Sample No.1	Maximum Permissible Limit (mg/dm <sup>2</sup> )
Rectified olive oil	2 hours at 70 ℃	< 3	10

Note : 1.  $mg/dm^2$  = milligram per square decimeter 2. °C = degree Celsius

3. < = less than

Test Part Description: No.1 Translucent silicon rubber piece

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