

Test Report

Report No.: SZF11010422026b

Client : SHEN ZHEN UNION INSULATED MATERIALS CO., LTD
Address : 1-3 FLOORS 2ND BUILDING GUANGUANG ROAD, DASHUIKEN GUANLAN,
BAOAN SHENZHEN

Report on the submitted sample(s) said to be:

Sample Name : silicone tube/silicone ring
Material : silicone
Lot No./Product Date : ----
Part No./Specification : ----
Manufacturer : ----
Sample Received Date : Jan.04,2011
Resubmitted Sample Date : ----
Sample Tested Date : Jan.04,2011~Jan.13,2011

Test Requested : In accordance with French DGCCRF information notice 2004/64 on materials in contact with foodstuffs and Regulation (EC) No 1935/2004 of the European parliament on materials and articles intended to come into contact with food.
Silicone: Sensorial examination odour and taste test, Overall Migration, Volatile Organic Matter (VOM), Peroxides, Organotin compounds.

Test Method : **Sensorial examination:** DIN 10955-2004.
Overall Migration: with reference to EN 1186-1:2002 for selection of conditions and test methods; EN 1186-2:2002 overall migration into olive oil by total immersion method; EN 1186-3:2002 overall migration into aqueous food simulants by total immersion method; EN 1186-14:2002 overall migration from plastics intended to come into contact with fatty foodstuffs using test media iso-octane and 95 % ethanol.
Volatile Organic Matter (VOM): See order of 25/11/1992, annex III, section 2.
Peroxides: According to French Pharmacopoeia, Xth edition.
Organotin compounds: Solvent extraction followed by analysis using Gas Chromatography Mass Spectrum.

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

Compiled by: Relex

Approved by: _____

Inspected by: Betty

Approved Date: Jan. 14, 2011



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Test Component(s) : White silicone tube

Test Result(s):

1. Sensorial Analysis

Test Item(s)	Result	Unit
Sensorial analysis (odour)	0	/
Sensorial analysis (taste)	0	/

Note: 0= no discernible deviation;

1= barely discernible deviation;

2= weak deviation;

3= clear deviation;

4= strong deviation.

2. Overall Migration

Food Simulan(s)	Test Condition	Result	Recommended Limit [#]	Unit
Distilled water	0.5 hours at 40°C	<3	10	mg/dm ²
3% Acetic Acid (W/V) Aqueous Solution	0.5 hours at 40°C	<3	10	mg/dm ²
10% Ethanol (V/V) Aqueous Solution	0.5 hours at 40°C	<3	10	mg/dm ²
Iso-octane	1.5 hours at 60°C	3.4	10	mg/dm ²

Note: 1. The sample is intended to come into contact with foodstuffs repeatedly, so the result of iso-octane is base on the extract of the third test;

2. According to the request of the client, the reduction factor is 5. The result of iso-octane had been adjusted by the reduction factor 5.

3. Volatile Organic Matter (VOM)

Test Item(s)	Test Condition	Result	Recommended Limit [#]	Unit
Volatile organic matter	4 hours at 200°C	0.14	0.5	%

4. Peroxides

Test Item(s)	Result	Recommended Limit [#]	Unit
Peroxides	Not detected	Undetectable	mg/kg

Note: 1. Detection limit of peroxides is 10mg/kg;

2. # = Recommended limit according to the rubbers requirements stated in French DGCCRF information notice 2004/64 on materials in contact with foodstuffs;

3. Test data of sensorial analysis and overall migration quote from the report: SZF11010422026a.

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Test Result(s):

5. Organotin compounds

Test Item(s)	Result	Unit
Monbutyltin	Not detected	µg/kg
Dibutyltin	Not detected	µg/kg
Tributyltin	Not detected	µg/kg
Tetrabutyltin	Not detected	µg/kg
Triphenyltin	Not detected	µg/kg
Monooctyltin	Not detected	µg/kg
Diocyltin	Not detected	µg/kg

- Note:
1. Detection limit of organotin compounds is 50µg/kg;
 2. Test data of organotin compounds quote from the report: SZF11010422026a.



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Photo(s) of the sample(s)



*** End of report ***

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