

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

SGS Job No. : SP15-011795 - SH  
 Model No. : NE-9570  
 Client Ref. Information : NE-9130、NE-9140、NE-9150、NE-9160、NE-9170、NE-9180、NE-9190、NE-9250、NE-9260、NE-9270、NE-9280、NE-9330、NE-9340、NE-9350、NE-9360、NE-9370、NE-9380、NE-9430、NE-9440、NE-9450、NE-9460、NE-9470、NE-9480、NE-9530、NE-9540、NE-9550、NE-9560、NE-9580、NE-9590、NE-9650、NE-9660、NE-9670、NE-9680、NE-9730、NE-9740、NE-9750、NE-9760、NE-9770  
 Date of Sample Received : 21 Apr 2015  
 Testing Period : 21 Apr 2015 - 28 Apr 2015  
 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).

**Result Summary :**

Test Requested	Conclusion
Extractable component	PASS
Sensorial examination odour and taste test	PASS
Lead(Pb) and Cadmium(Cd)	PASS
Volatile organic matter	PASS
Polycyclic aromatic hydrocarbons (PAHs)	PASS



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**Test Report**

No. SHAEC1506863701

Date: 29 Apr 2015

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Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Marry Ma

Approved Signatory

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## Test Report

No. SHAEC1506863701

Date: 29 Apr 2015

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Test Results :

### Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA15-068637.005	Translucent soft solid	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 with amendments and BfR recommendation, to determine extractable component.

Test Method : With reference to 61st Mitteilung über die Untersuchung von Kunststoffen , Bundesgesundheitsbl 46 (2003) 362.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 005 Extractives</u>
Distilled water	4.0hr(s)	100°C	0.5% (w/w)	<0.1% (w/w)
10% Ethanol	4.0hr(s)	100°C	0.5% (w/w)	<0.1% (w/w)
3% Acetic Acid	4.0hr(s)	100°C	0.5% (w/w)	<0.1% (w/w)

Notes :

(1) Test condition & simulant were specified by client

### 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 with amendments, to determine sensorial examination odour and taste.

Test Method : With reference to DIN 10955:2004.  
Test media: Deionized water;  
No.of panelist: 6

<u>Test Item(s)</u>	<u>Limit</u>	<u>005</u>
Test time (hr(s))	-	4
Temperature(°C)	-	100
Sensorial examination odour (Point scale)	2.5	0
Sensorial examination taste (Point scale)	2.5	0



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Notes :

Scale evaluation:

- 0 – no perceptible difference
- 1 – just perceptible difference
- 2 – slight difference
- 3 – marked difference
- 4 – strong difference

**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 with amendments and BfR recommendation, to determine 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>005</u>
Total Lead	★	mg/kg	2	ND
Total Cadmium	★	mg/kg	2	ND

Notes :

(1) ★= Absent

**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 with amendments and BfR recommendation, to determine volatile organic matter (VOM).

Test Method : With reference to 61. Mitteilung über die Untersuchung von Kunststoffen, Bundesgesundheitsbl 46(2003)362  
Test condition : 130°C, 4hours

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>005</u>
Volatile organic matter (VOM)	0.5	% (w/w)	0.1	ND

Notes :

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



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**Polycyclic aromatic hydrocarbons (PAHs)**

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendations, to determine polynuclear aromatic hydrocarbons(PAHs).

Test Method : With reference to AfPS GS 2014:01 PAK, analysis was performed by GC-MS.

Test Item(s)	Limit	Unit	MDL	005
Sum of 18 PAHs	1	mg/kg	-	ND
Sum of Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	1	mg/kg	-	ND
Naphthalene(NAP)	1	mg/kg	0.1	ND
Acenaphthylene(ANY)	-	mg/kg	0.1	ND
Acenaphthene(ANA)	-	mg/kg	0.1	ND
Fluorene(FLU)	-	mg/kg	0.1	ND
Phenanthrene(PHE)	-	mg/kg	0.1	ND
Anthracene(ANT)	-	mg/kg	0.1	ND
Fluoranthene(FLT)	-	mg/kg	0.1	ND
Pyrene(PYR)	-	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	0.2	mg/kg	0.1	ND
Chrysene(CHR)	0.2	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF) and Benzo(j)fluoranthene(BjF)	0.2	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	0.2	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	0.2	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	0.2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	0.2	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	0.2	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	0.2	mg/kg	0.1	ND

Notes :

The German committee on Product Safety (AfPS) adopted a new PAHs document on August 4, 2014, which is taken into account by the GS certification bodies for the certification process of the GS mark now. The transitional arrangements and deadlines contained therein shall determine the procedure for existing certificates and new certificates; also there are exceptions. The previously valid PAK-document (ZEK 01.4-08, English version) will be repealed after 30th of June.2015.



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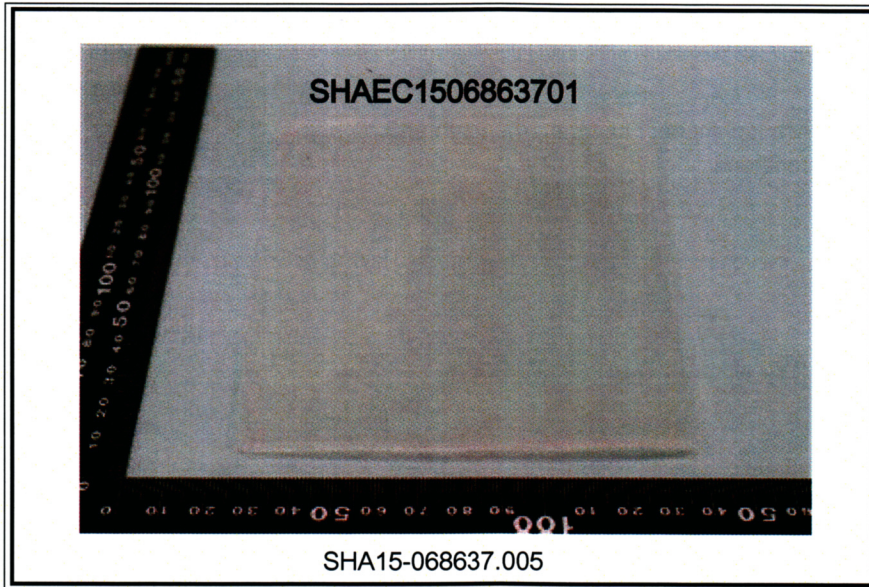
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Remark:

- (1) mg/dm<sup>2</sup>=milligram per square decimeter  
mg/kg = milligram per kilogram
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL)
- (4) °C =degree Celsius
- (5) < = less than

Sample photo:



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



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