Test Report

The following sample(s) was/were submitted and identified on behalf of the clients as :
SILICONE RUBBER GF(D,E)2061M

SGS Job No. :	GZIN1702005690PC - GZ
Tested Sample Info. :	GF(D,E)2061M
Client Ref. Info. :	Please See Remark
Date of Sample Received :	24 Jun 2016
Testing Period :	24 Jun 2016 - 05 Jul 2016
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
German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation -Extractable components	PASS
German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments–Sensorial examination odour and taste test	PASS
German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation–Lead and Cadmium	PASS
German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation–Volatile organic matter (VOM)	PASS
Polycyclic aromatic hydrocarbons (PAHs) Content	PASS

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN17-022325.001	Transparent silicone sheet	silicone

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation -Extractable components

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

Simulant Used	Time	Temperature	Max. Permissible Limit	Result of 001	Comment
Distilled water	2.0hr(s)	100°C	0.5%(w/w)	<0.1%(w/w)	PASS
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	100°C	0.5%(w/w)	<0.1%(w/w)	PASS
10% Ethanol	2.0hr(s)	100°C	0.5%(w/w)	<0.1%(w/w)	PASS

Notes :

%w/w = percentage of weight by weight

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments–Sensorial examination odour and taste test

Test Method : With reference to DIN10955:2004,direct contact method.
Test condition: 100°C,2.0hr(s);
Test media:Distilled water
No.of panelist:6

Test Item(s)	Limit	*001*
Sensorial examination odour (Point scale)	2.5	0.0
Sensorial examination taste (Point scale)	2.5	0.0
Comment		**PASS**

Notes :

Intensity scale (rounded at 0.5):
0 – no perceptible difference
1 – just perceptible difference
2 – slight difference

3 – marked difference
4 – strong difference

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation–Lead and Cadmium

Test Method : Microwave digestion (GZTC CHEM-TOP-004-01) , analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	*001*
Cadmium (Cd)	Absent	mg/kg	2	ND
Comment				**PASS**
Lead (Pb)	Absent	mg/kg	2	ND
Comment				**PASS**

Notes :

1. mg/kg = milligram per kilogram of sample
2. MDL=Method Detection Limit
3. ND= Not Detected(less than MDL)
4. ★= Absent

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation–Volatile organic matter (VOM)

Test Method : With reference to 61. Mitteilung über die Untersuchung von Kunststoffen, Bundesgesundheitsbl 46 (2003) 362.
Test condition: 200℃ 4.0 hr(s)

Test Item(s)	Limit	Unit	MDL	*001*
Volatile organic matter (VOM)	0.5	%(w/w)	0.1	ND
Comment				**PASS**

Notes :

1. %w/w = percentage of weight by weight
2. MDL=Method Detection Limit
3. ND= Not Detected(less than MDL)

Polycyclic aromatic hydrocarbons (PAHs) Content

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

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Test Item(s)	CAS NO.	Limit	Unit	MDL	001
Sum of 18 PAHs	-	1.0	mg/kg	-	ND
Sum of 7 PAHs Acenaphthylene. Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	-	1.0	mg/kg	-	ND
Naphthalene(NAP)	91-20-3	1.0	mg/kg	0.1	ND
Acenaphthylene(ANY)	208-96-8	-	mg/kg	0.1	ND
Acenaphthene(ANA)	83-32-9	-	mg/kg	0.1	ND
Fluorene(FLU)	86-73-7	-	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	-	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	-	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	-	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	-	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	0.2	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	0.2	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	0.2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	0.2	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	0.2	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	0.2	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	0.2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	0.2	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	0.2	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	0.2	mg/kg	0.1	ND

Notes :

1. mg/kg = milligram per kilogram of sample
2. MDL=Method Detection Limit
3. ND= Not Detected(less than MDL)

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Remark:

GF(D,E)2005(XX) GF(D,E)2008(XX) GF(D,E)2021(XX) GF(D,E)2031(XX) GF(D,E)2041(XX) GF(D,E)2051(XX) GF(D,E)2061(XX) GF(D,E)2071(XX) GF(D,E)2081(XX) GF(D,E)2065(XX) GF(D,E)2075(XX) GF(D,E)2091(XX) GF(D,E)2031A(XX) GF(D,E)2041A(XX) GF(D,E)2051A(XX) GF(D,E)2061A(XX) GF(D,E)2071A(XX) GF(D,E)2081A(XX) GF(D,E)2065A(XX) GF(D,E)2075A(XX) GF(D,E)2091A(XX) GF(D,E)2031D(XX) GF(D,E)2041D(XX) GF(D,E)2051D(XX) GF(D,E)2061D(XX) GF(D,E)2071D(XX) GF(D,E)2081D(XX) GF(D,E)2065D(XX) GF(D,E)2075D(XX) GF(D,E)2091D(XX) GF(D,E)2021G(XX) GF(D,E)2031G(XX) GF(D,E)2041G(XX) GF(D,E)2051G(XX) GF(D,E)2061G(XX) GF(D,E)2071G(XX) GF(D,E)2081G(XX) GF(D,E)2065G(XX) GF(D,E)2075G(XX) GF(D,E)2091G(XX) GF(D,E)2021J(XX) GF(D,E)2031J(XX) GF(D,E)2041J(XX) GF(D,E)2051J(XX) GF(D,E)2061J(XX) GF(D,E)2071J(XX) GF(D,E)2081J(XX) GF(D,E)2065J(XX) GF(D,E)2075J(XX) GF(D,E)2091J(XX) GF(D,E)2021T(XX) GF(D,E)2031T(XX) GF(D,E)2041T(XX) GF(D,E)2051T(XX) GF(D,E)2061T(XX) GF(D,E)2071T(XX) GF(D,E)2081T(XX) GF(D,E)2065T(XX) GF(D,E)2075T(XX) GF(D,E)2091T(XX) GF(D,E)2021Q(XX) GF(D,E)2031Q(XX) GF(D,E)2041Q(XX) GF(D,E)2051Q(XX) GF(D,E)2061Q(XX) GF(D,E)2071Q(XX) GF(D,E)2081Q(XX) GF(D,E)2065Q(XX) GF(D,E)2075Q(XX) GF(D,E)2091Q(XX) GF(D,E)2021R(XX) GF(D,E)2031R(XX) GF(D,E)2041R(XX) GF(D,E)2051R(XX) GF(D,E)2061R(XX) GF(D,E)2071R(XX) GF(D,E)2081R(XX) GF(D,E)2065R(XX) GF(D,E)2075R(XX) GF(D,E)2091R(XX) GF(D,E)2021W(XX) GF(D,E)2031W(XX) GF(D,E)2041W(XX) GF(D,E)2051W(XX) GF(D,E)2061W(XX) GF(D,E)2071W(XX) GF(D,E)2081W(XX) GF(D,E)2065W(XX) GF(D,E)2075W(XX) GF(D,E)2091W(XX) GF(D,E)2021Y(XX) GF(D,E)2031Y(XX) GF(D,E)2041Y(XX) GF(D,E)2051Y(XX) GF(D,E)2061Y(XX) GF(D,E)2071Y(XX) GF(D,E)2081Y(XX) GF(D,E)2065Y(XX) GF(D,E)2075Y(XX) GF(D,E)2091Y(XX) GF(D,E)2021Z(XX) GF(D,E)2031Z(XX) GF(D,E)2041Z(XX) GF(D,E)2051Z(XX) GF(D,E)2061Z(XX) GF(D,E)2071Z(XX) GF(D,E)2081Z(XX) GF(D,E)2065Z(XX) GF(D,E)2075Z(XX) GF(D,E)2091Z(XX) GF(D,E)2021P(XX) GF(D,E)2031P(XX) GF(D,E)2041P(XX) GF(D,E)2051P(XX) GF(D,E)2061P(XX) GF(D,E)2071P(XX) GF(D,E)2081P(XX) GF(D,E)2075P(XX) GF(D,E)2021M(XX) GF(D,E)2031M(XX) GF(D,E)2041M(XX) GF(D,E)2051M(XX) GF(D,E)2061M(XX) GF(D,E)2071M(XX) GF(D,E)2081M(XX) GF(D,E)2075M(XX) GF(D,E)2021E(XX) GF(D,E)2031E(XX) GF(D,E)2041E(XX) GF(D,E)2051E(XX) GF(D,E)2061E(XX) GF(D,E)2071E(XX) GF(D,E)2081E(XX) GF(D,E)2075E(XX) GF(D,E)2021(XX) GF(D,E)2031(XX) GF(D,E)2041(XX) GF(D,E)2051(XX) GF(D,E)2061(XX) GF(D,E)2071(XX) GF(D,E)2081(XX) GF(D,E)631(XX) GF(D,E)641(XX) GF(D,E)651(XX) GF(D,E)661(XX) GF(D,E)671(XX) GF(D,E)681(XX) GF(D,E)691(XX) GF(D,E)531(XX) GF(D,E)541(XX) GF(D,E)551(XX) GF(D,E)561(XX) GF(D,E)571(XX) GF(D,E)581(XX) GF(D,E)591(XX)

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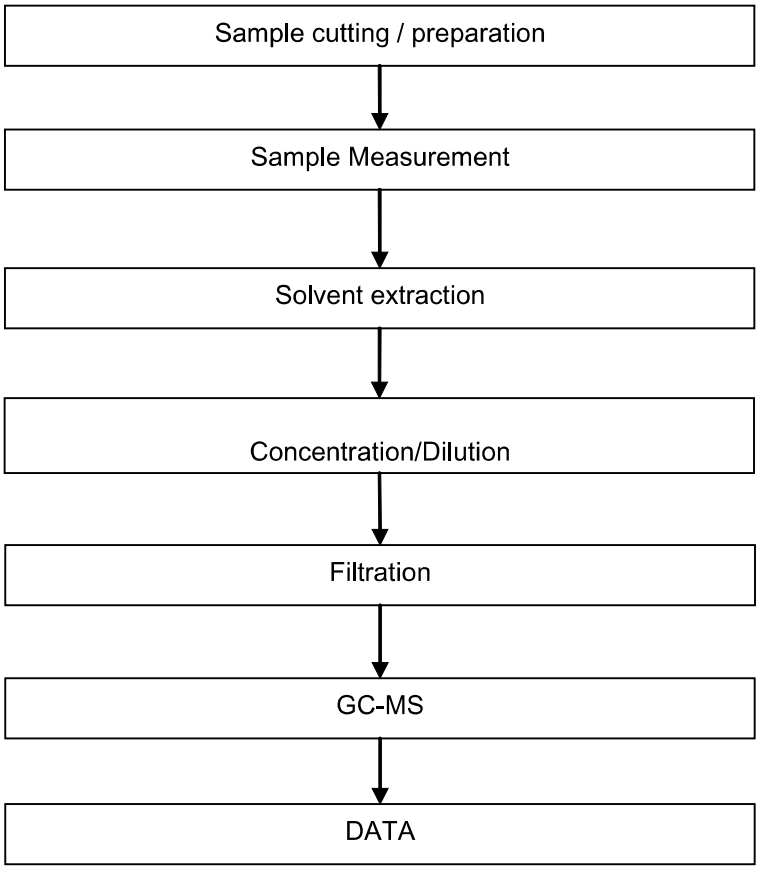
ATTACHMENTS

PAHs Testing Flow Chart



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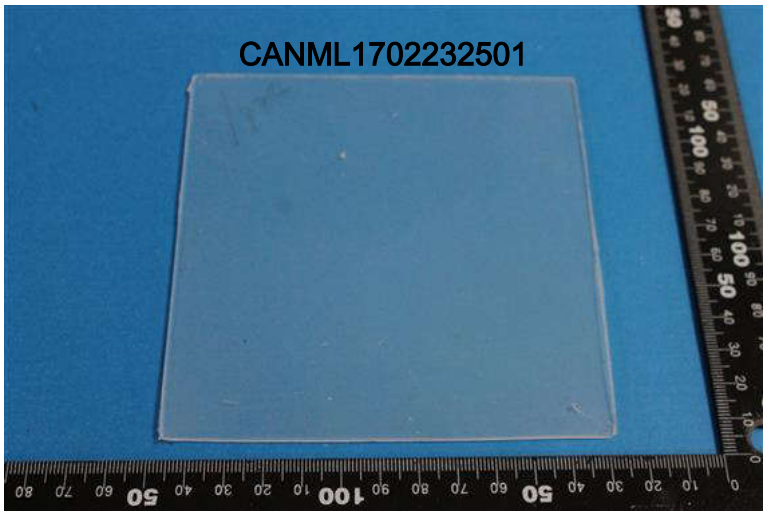
Sample photo:



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SGS authenticate the photo on original report only

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