

Test Report

No. CANEC2227511701

Date: 12 Jan 2023

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Client Name : DONG GUAN NEW-ORIENT TECHNOLOGY CO,LTD

Client Address : NO. 53, TIANXIN BEIMEN LANE, HUANGJIANG TOWN, DONGGUAN CITY, GUANGDONG PROVINCE

Sample Name : silicone rubber

Model No. : ZY-450

Client Ref. Info. : Please see REMARK

The above sample(s) and information were provided by the client.

SGS Job No. : CP22-067969 - SZ

Date of Sample Received : 21 Dec 2022

Testing Period : 21 Dec 2022 - 04 Jan 2023

Test Requested : Selected test(s) as requested by the client.

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

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



Result Summary :

Test Requested	Conclusion
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, 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
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, 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
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, 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
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation–Platinum content	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, 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
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation–Polycyclic aromatic hydrocarbons (PAHs) Content	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Ivy Ren

Ivy Ren
Approved Signatory

scan to see the report



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Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN22-275117.001	Transparent silicone sheet	Silicone

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

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001</u>	<u>Comment</u>
Distilled water	4.0hr(s)	100°C	0.5%(w/w)	<0.1%(w/w)	PASS
3% Acetic Acid (W/V) Aqueous Solution	4.0hr(s)	100°C	0.5%(w/w)	<0.1%(w/w)	PASS
10% Ethanol (V/V) Aqueous Solution	4.0hr(s)	100°C	0.5%(w/w)	<0.1%(w/w)	PASS

Notes :

%w/w = percentage of weight by weight

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, 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.
No.of panelist:6

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Test media	-	Distilled water
Test Temperature (°C)	-	100
Test time (hr)	-	4
Sensorial examination odour (Point scale)	2.5	0.0
Sensorial examination taste (Point scale)	2.5	0.0
Comment		PASS

Notes :



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Intensity scale (rounded at 0.5):

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

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

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Cadmium (Cd)	★	mg/kg	2	ND
Lead (Pb)	★	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

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation–Platinum content

Test Method : SGS In-house method (GZTC CHEM-TOP-225-01), analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Platinum Content	50	mg/kg	10	ND
Comment				PASS

Notes :

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



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Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, 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 BfR test method 03/2022

Test Item(s)	Limit	Unit	MDL	001
Test Temperature	-	°C	-	200
Test Time	-	hr(s)	-	4.0
Volatile organic matter (VOM)	0.50	%(w/w)	0.10	0.26
Comment				PASS

Notes :

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

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation–Polycyclic aromatic hydrocarbons (PAHs) Content

Test Method : With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

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



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<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Acenaphthene(ANA)	83-32-9	ND	mg/kg	0.2	ND
Fluorene(FLU)	86-73-7	ND	mg/kg	0.2	ND
Comment					PASS

Notes :

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

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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REMARK:

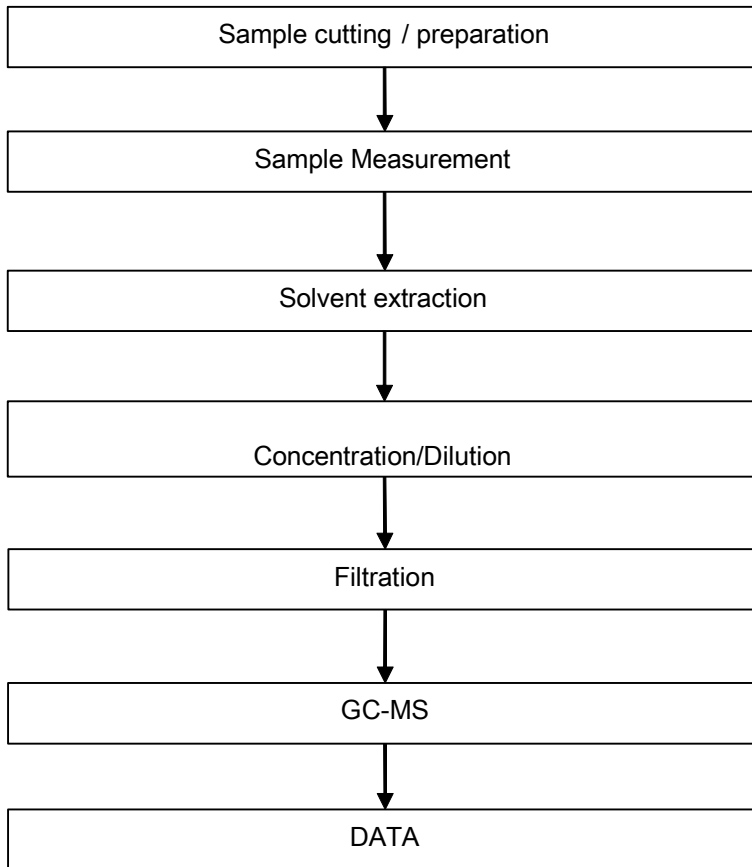
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ZY-LSR-4650A/B(4620/4630/4640/4660/4670/4680)
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ZY-LSR-7050A/B(7020/7030/7040/7060/7070/7080)



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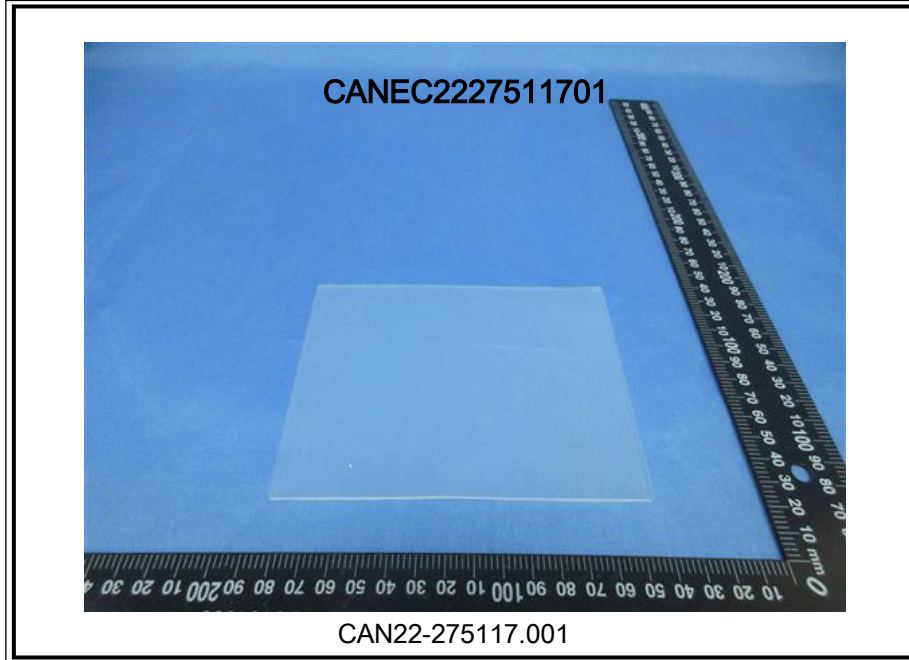
ATTACHMENTS

PAHs Testing Flow Chart



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*** End of Report ***

