

## Test Report

No. CANEC1925877701

Date: 11 Feb 2020

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DONGGUAN NEW ORIENT TECHNOLOGY CO., LTD.

NORTH GATE LANE LONGHE INDUSTRIAL PARK TIANXIN VILLAGE HUANGJIANG TOWN DONGGUAN CITY  
CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : silicone rubber

SGS Job No. : CP19-068400 - SZ  
Model No. : ZY-450  
Client Ref. Info. : ZY-450 (405/410/420/430/440/460/470/480/490 )  
ZY-4451 (4411/4421/4431/4441/4461/4471/4481/4491)  
ZY-4452 (4412/4422/4432/4442/4462/4472/4482/4492 )  
ZY-5551(5511/5521/5531/5541/5561/5571/5581/5591)  
ZY-LSR-6 series(6010/6020/6030/6040/6050/6060/6070)  
ZY-LSR-6350(6320/6330/6340/6360/6370)  
ZY-LSR-6950(6920/6930/6940/6960/6970)  
ZY-LSR-7050 (7020/7030/7040/7060/7070 )  
Date of Sample Received : 26 Dec 2019  
Testing Period : 26 Dec 2019 - 03 Jan 2020  
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

Conclusion : The tested parameters comply with the requirements stated in German Food, Articles of Daily Use and Feed Code of September 1, 2005(LFGB) with amendments, Section 30 & 31, and Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004.

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

Amy Ye  
Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN19-258777.001	Transparent silicone rubber sheet	Silicone rubber

**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

**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	1.0
Sensorial examination taste (Point scale)	2.5	1.0
<b>Comment</b>		<b>PASS</b>

Notes :

Intensity scale (rounded at 0.5):  
0 – no perceptible difference



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- 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)	★	mg/kg	2	ND
<b>Comment</b>				<b>PASS</b>
Lead (Pb)	★	mg/kg	2	ND
<b>Comment</b>				<b>PASS</b>

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 Item(s)	Limit	Unit	MDL	001
Test Temperature	-	°C	-	200
Test Time	-	hr(s)	-	4.0
Volatile organic matter (VOM)	0.5	%(w/w)	0.10	0.41
<b>Comment</b>				<b>PASS</b>

Notes :

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



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**Polycyclic aromatic hydrocarbons (PAHs) Content**

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

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

Comment

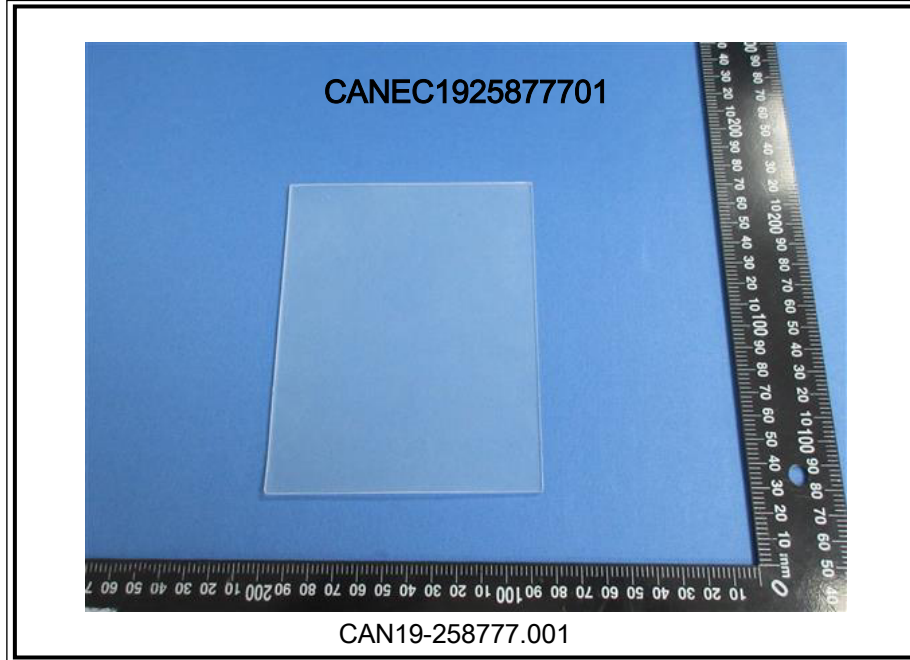
PASS

Notes :

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



Sample photo:



SGS authenticate the photo on original report only

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