Test Report

No. CANEC2204710301 Date: 30 Mar 2022 Page 1 of 6

Client Name : DONGGUAN TN SILICONE TECHNOLOGY CO.,LTD

Client Address : DONGAO INDUSTRIAL AREA TIANRAOBU VILLAGE HENGLI TOWN DONGGUAN CITY

Sample Name : Silicone Rubber TN950

Client Ref. Info. : Used for TN9XX、TN9XXX (X stands for 0~9)

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

SGS Job No. : CP22-013682 - SZ

Date of Sample Received : 23 Mar 2022

Testing Period : 23 Mar 2022 - 30 Mar 2022

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
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–Volatile organic matter (VOM)	PASS
Polycyclic aromatic hydrocarbons (PAHs) Content	PASS

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Testing Center Chemical Laboratory.

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

scan to see the report

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Ivy Ren
Approved Signatory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN22-047103.001	Colorless translucent 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.

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

Test Item(s)	Limit	*001*
Test media	-	Distilled water
Test Temperature (℃)	-	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.

Test Item(s)	Limit	Unit	MDL	*001*
Cadmium (Cd)	★	mg/kg	2	ND
Comment				**PASS**
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–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	-	℃	-	200
Test Time	-	hr(s)	-	4.0
Volatile organic matter (VOM)	0.50	%(w/w)	0.10	0.11
Comment				**PASS**

Notes :
1. %w/w = percentage of weight by weight
2. MDL=Method Detection Limit

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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.

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)

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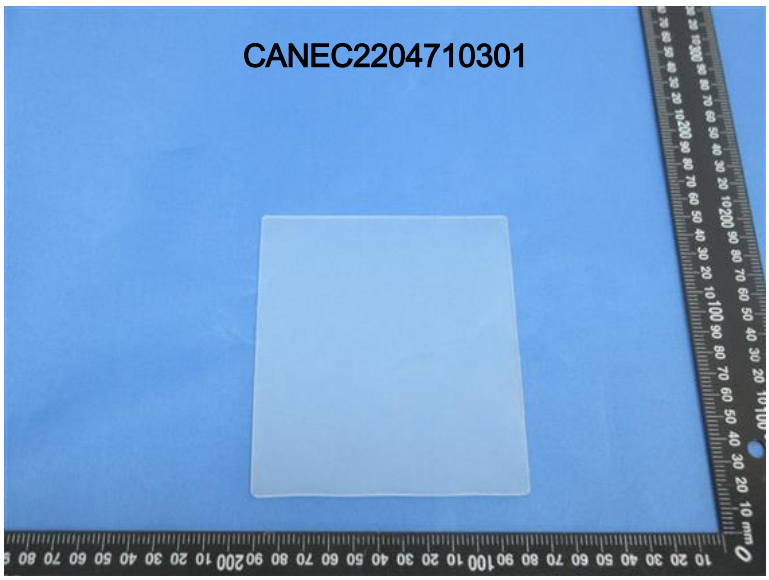
Sample photo:



CAN22-047103.001

SGS authenticate the photo on original report only

*** End of Report ***