

# Test Report

No. SHAHG2024895001

Date: 17 Dec 2020

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DONGJUE SILICONE(NANJING)CO.,LTD.

NO.196 FUYIN ST(E),QIAOLIN,PUKOU DISTRICT,NANJING CITY,JANGSU PROVINCE,CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : FUMED SILICONE RUBBER

SGS Job No. : SHHL2012560128OT - SH  
 Style No. : NE-9550  
 Client Ref. Information : SEE ATTACHMENT  
 Date of Sample Received : 10 Dec 2020  
 Testing Period : 10 Dec 2020 - 17 Dec 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 and 31 with amendments and BfR recommendation-Extractable component                      | PASS       |
| German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation-Sensorial examination odour and taste test | PASS       |
| German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation-Lead(Pb) and cadmium(Cd)                   | PASS       |
| German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation-Volatile organic matter (VOM)              | PASS       |
| German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation-Polynuclear aromatic hydrocarbons (PAHs)   | PASS       |



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

*Jessica Pan.*

Jessica Pan  
Approved Signatory

scan to see the report



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Test Results :

Test Part Description :

| Specimen No. | SGS Sample ID    | Description                    | Material<br>(claimed by the client) |
|--------------|------------------|--------------------------------|-------------------------------------|
| SN1          | SHA20-248950.001 | Transparent soft plastic sheet | Silicone rubber                     |

Remarks :

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

**German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation-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 001 Extractives</u> | <u>Conclusion</u> |
|----------------------|-------------|--------------------|-------------------------------|----------------------------------|-------------------|
| Deionized water      | 4.0hr(s)    | 100°C              | 0.5% (w/w)                    | <0.1% (w/w)                      | PASS              |
| 3% Acetic Acid       | 4.0hr(s)    | 100°C              | 0.5% (w/w)                    | <0.1% (w/w)                      | PASS              |
| 10% Ethanol          | 4.0hr(s)    | 100°C              | 0.5% (w/w)                    | <0.1% (w/w)                      | PASS              |

Notes :

- (1) Test condition & simulant were specified by client

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

Test Method : With reference to DIN 10955:2004  
No. of panelist: 6

| <u>Test Item(s)</u> | <u>Limit</u> | <u>001</u> |
|---------------------|--------------|------------|
| Test media          | -            | DW         |
| Test time (hr(s))   | -            | 2          |
| Temperature(°C)     | -            | 100        |



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| Test Item(s)                              | Limit | 001         |
|---|-------|-------------|
| Sensorial examination odour (Point scale) | 2.5   | 0           |
| Sensorial examination taste (Point scale) | 2.5   | 0           |
| <b>Conclusion</b>                         |       | <b>PASS</b> |

Notes :

Scale evaluation:

- 0 – no perceptible difference
- 1 – just perceptible difference
- 2 – slight difference
- 3 – marked difference
- 4 – strong difference
- DW= Distilled water

**German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation-Lead(Pb) and cadmium(Cd)**

Test Method : Total lead and cadmium: Acidic digestion, analysis was performed by ICP-OES.

| Test Item(s)      | Limit | Unit  | MDL | 001         |
|-------------------|-------|-------|-----|-------------|
| Total Lead        | ★     | mg/kg | 2   | ND          |
| Total Cadmium     | ★     | mg/kg | 2   | ND          |
| <b>Conclusion</b> |       |       |     | <b>PASS</b> |

Notes :

(1) ★= Absent

**German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 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         |
|-------------------------------|-------|---------|------|-------------|
| Time                          | -     | hr(s)   | -    | 4.0         |
| Temperature                   | -     | °C      | -    | 200         |
| Volatile organic matter (VOM) | 0.5   | % (w/w) | 0.10 | 0.17        |
| <b>Conclusion</b>             |       |         |      | <b>PASS</b> |

Notes :

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



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**German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation-Polynuclear aromatic hydrocarbons (PAHs)**

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

| <u>Test Item(s)</u>   | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>001</u>  |
|---|--------------|-------------|------------|-------------|
| 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          |
| <b>Conclusion</b>   |              |             |            | <b>PASS</b> |



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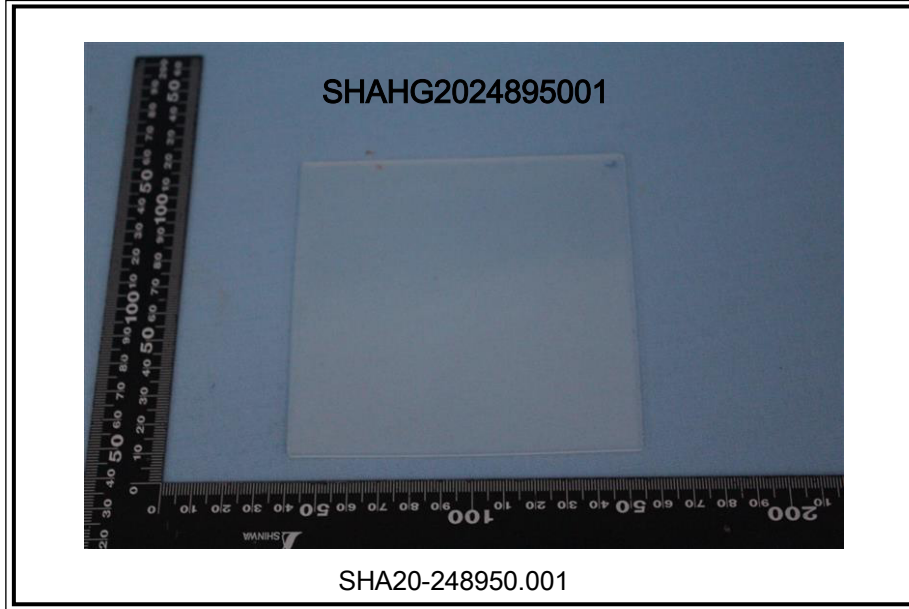
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