

Test Report

No. CANHG1613906301

Date: 19 Jul 2016

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COOK LINE GMBH

LUDWIGSHAFENER STR. 6 D-68766 HOCKENHEIM

This report is to supersede test report CANEC1611603801.

The following sample(s) was/were submitted and identified on behalf of the clients as : Honeycomb Trivet Square(CD549)

SGS Job No. : GZHL1606025708CW-01(CP16-037763GZ) - GZ

Tested Sample Info. : Honeycomb Trivet Square (CD549)

Client Ref. Info. : slotted Turne (CD434) r、 Sauce spoon (CD453)、 Flexible spoon (CD368)、 Ladle (CD547)、 Cooking Spoon (CD406)、 Large Whisk (CD512)、 Swisch waisted(CD639)

Date of Sample Received : 17 Jun 2016

Testing Period : 17 Jun 2016 - 23 Jun 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–Colour Release | 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, European Commission Regulation (EU) No 10/2011 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) | PASS |



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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



Alpher Qiu
Approved Signatory



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Test Results :

Test Part Description :

| Specimen No. | SGS Sample ID | Description | Material (claimed by the client) |
|--------------|------------------|----------------------|-------------------------------------|
| SN1 | CAN16-139063.001 | Black 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.

| <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 | 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—Colour Release

Test Method : With reference to Kunststoffe im Lebensmittelverkehr, Part B II IX.

| <u>Test Item(s)</u> | <u>Limit</u> | <u>001</u> |
|---|--------------|-----------------------|
| Visible Color Migration in 2% Acetic Acid (W/V) Comment | Absent | Absent PASS |
| Visible Color Migration in Coconut Oil Comment | Absent | Absent 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



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Test Method : With reference to DIN10955:2004.
 Test condition: 100°C 4.0hr(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 :

Scale evaluation:

- 0: No perceptible odour
- 1: Odour just perceptible (still difficult to define)
- 2: Moderate odour
- 3: Moderately strong odour
- 4: Strong odour

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, European Commission Regulation (EU) No 10/2011 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)

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°C 4.0 hr(s)



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| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>001</u> |
|-------------------------------|--------------|-------------|------------|-------------|
| Volatile organic matter (VOM) | 0.5 | %(w/w) | 0.1 | 0.4 |
| 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)

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

| <u>Test Item(s)</u> | <u>CAS NO.</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>001</u> |
|--|----------------|--------------|-------------|------------|------------|
| Sum of 18 PAHs | - | 1 | mg/kg | - | ND |
| Sum of 7 PAHs Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene | - | 1 | mg/kg | - | ND |
| Naphthalene(NAP) | 91-20-3 | 1 | 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 :



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

AfPS (German commission for Product Safety) : GS PAHs requirements

| Parameter | Category 1 | Category 2 | | Category 3 | |
|--|---|--|-----------------------------|--|-----------------------------|
| | Material indented to be put in the mouth or toys with intended skin contact (longer than 30 s). | Materials not falling under category 1 with foreseeable contact to skin for longer than 30 s (long-term skin) or frequent contact. | | Materials not falling under category 1 or 2 with foreseeable contact to skin for less than 30 s (short-term skin contact). | |
| | | Toy under 2009/48/EC | Other products under ProdSG | Toy under 2009/48/EC | Other products under ProdSG |
| Benzo(a)pyrene mg/kg | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo(e)pyrene Mg/kg | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo(a)anthracene mg/kg | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo(b)fluoranthene mg/kg | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo(j)fluoranthene mg/kg | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo(k)fluoranthene mg/kg | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Chrysene mg/kg | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Dibenzo(a,h)anthracene mg/kg | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo(g,h,i)perylene mg/kg | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Indeno(1,2,3-cd)pyrene mg/kg | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Acenaphthylene, Acenaphthene, fluorene, phenanthrene , pyrene, anthracene, fluoranthene, mg/kg | < 1 Sum | < 5 Sum | < 10 Sum | < 20 Sum | < 50 Sum |
| Naphthalene, mg/kg | < 1 | < 2 | | < 10 | |
| Sum of 18 PAHs | <1 | < 5 | < 10 | < 20 | < 50 |



Sample photo:



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*** End of Report ***

