



Test Report

Report No. A2250205377102001

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Company Name GUANGDONG CAIHUIMEI NEW MATERIAL TECHNOLOGY CO., LTD
shown on Report
Address 5 YINGBIN ROAD, DONGKENG, DONGGUAN

Sample Received Date Apr. 1, 2025
Testing Period Apr. 1, 2025 to Apr. 8, 2025

Test Conducted:

As requested by the applicant. For details refer to next page(s).

- Test Conclusion**
- 1) The results of the test items shown on the report comply with the required limits of LFGB §31 .
 - 2) The results of the test items shown on the report comply with the required limits of LFGB §30&31, Res AP(2004)5 Resolution on silicone used for food contact applications, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food.
 - 3) The results of the test items shown on the report comply with the required limits of LFGB §30&31, BfR recommendation XV Silicones, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food.



Hill Zheng

Hill Zheng
Technical Manager

Date Apr. 8, 2025

No. R411774406

CTI Testing International Group Co., Ltd.

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

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The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name

Silicone Auxiliary Materials

Model No.

CM-100, CM-101, CM-105, CM-108, CM-201, CM-202, CM-241, CM-242A, CM-331, CM-331A, CM-332, CM-333, CM-341, CM-400, CM-401, CM-408, CM-508, CM-520, CM-520A, CM-521, CM-522, CM-526, CM-542, CM-601, CM-602, CM-608, CM-701, CM-702, CM-721, CM-741, CM-742, CM-801, CM-805, CM-806, CM-1801, CM-1805, CM-1806, CM-924, CM-925, CM-6801, CM-1020, CM-1030, CM-3000, CM-3010, CM-3020, CM-3030, CM-3040, CM-3050, BM-1100, BM-1101, BM-1102, BM-1103, BM-1105, BM-1105A, BM-1201, BM-1202, BM-1241, BM-1242, BM-1327, BM-1329, BM-1331, BM-1332, BM-1334, BM-1341, BM-1400, BM-1408, BM-1508, BM-1520, BM-1521, BM-1542, BM-1601, BM-1602, BM-1608, BM-1701, BM-1702, BM-1721, BM-1741, BM-1742, BM-801, BM-805, BM-806, BM-1801, BM-1805, BM-1806, BM-1924, BM-1925, BM-2000, BM-2109, BM-2109A, BM-1520A, BM-1521A, BM-1329A BM-1329B, SM-5100, SM-5102, SM-5103, SM-5105, SM-5109, SM-5201, SM-5202, SM-5241, SM-5242, SM-5302, SM-5329, SM-5331, SM-5334, SM-5341, SM-5400, SM-5408, SM-5508, SM-5520, SM-5521, SM-5542, SM-5601, SM-5602, SM-5608, SM-5701, SM-5702, SM-5721, SM-5741, SM-5742, SM-5801, SM-5805, SM-5806, SM-5924, SM-5925, VNJ-0010, BL-0001, C-8, C-8A, C-8B, C-14, C-14A, C-14B, C-14C, C-14D, C-14E, C-14F, C-14H, C-14K, C-15, C-15A, C-15B, C-16, C-16A, C-18, C-18A, C-20, C-20A, C-20B, C-100A-100, C-100A-101, C-100A-102, C-100A-103, C-100A-104, C-100A-105, C-100A-106, C-100A-107, C-100A-108, C-100A-109, C-100A-110, C-100A-111, C-100A-112, C-100A-113, C-100A-114, C-100A-115, C-100B-100, C-100B-101, C-100B-102, C-100B-103, C-100B-104, C-100B-105, C-100B-106, C-100B-107, C-100B-108, C-100B-109, C-100B-110, C-100B-111, C-100B-112, C-100B-113, C-100B-114, C-100B-115, C-200A-200, C-200A-201, C-200A-202, C-200A-203, C-200A-204, C-200A-205, C-200A-206, C-200A-207, C-200B-200, C-200B-201, C-200B-202, C-200B-203, C-200B-204, C-200B-205, C-200B-206, C-200B-207, C-400-1, C-400-2, C-400-3, C-400-4, C-400-5, C-400-6, C-400-7, C-400-8, C-400-9, C-400-10, C-400-11, C-400-12, C-400-13, C-400-14, C-400-15, C-400-16, C-400-17, C-400-18, C-400-19, C-400-20, C-400-21, C-400-22, C-400-23, C-400-24, C-400-25, C-500-34C, C-500-31, C-500-32, C-500-33, C-500-34, C-500-35, C-500-36, C-500-37, C-500-38, C-500-45, C-500-46, C-500-47, C-500-48, C-500-49, C-500-50, C-500-39, C-500-40, C-500-41, C-500-42, C-500-43, C-500-44, C-400-2K, C-500-41K, GY-5000, GY-2000, GY-1000, GY-500, C-400-S, C-400-N, C-400-M, C-400-5K, C-400-15K, RJ-5000, RJ-2000, RJ-500, RJ-200, CH-800, CH-811, CH-811A, CH-811B, CH-811C, CH-811D, CH-811E, CH-811F, CH-811G, CH-811H, CH-811M, CH-811N, CH-811X, CH-822, CH-822A, CH-822B, CH-833, CH-833A, CH-833B, CH-833C, CH-855, CH-855A, CH-866, CH-866A, CH-877, CH-877A, CMT-13701, CMT-14200, CMT-15200, CMT-16200, CMT-16200A, CMT-16200B, CMT-16200C, CMT-16200D, GR-1160A, GR-1160B, GR-2160A, GR-2160B, GR-3160A, GR-3160B, GR-3150A, GR-3150B, GR-3170A, GR-3170B, GR-2150A, GR-2150B, GR-1150A, GR-1150B, GR-1260A, GR-1260B, GR-2260A, GR-2260B, GR-3260A, GR-3260B, GA-3230, GA-3240, GA-3250, GA-3270, GA-9130, GA-9140, GA-9150, GA-9170, GA-9075, GA-9180, GA-5130, GA-5140, GA-5150, GA-5170, GA-5180, GA-6630, GA-6620, GA-6420, 9075Y

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Executive Summary:

TEST REQUEST

CONCLUSION

| | |
|--|-------------|
| 1) LFGB §31 | |
| - Sensory analysis* | PASS |
| 2) LFGB §30&31, Res AP(2004)5 Resolution on silicone used for food contact applications, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food | |
| - Overall migration* | PASS |
| 3) LFGB §30&31, BfR recommendation XV Silicones, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food | |
| - Volatile organic matter(VOM) | PASS |
| - Peroxide residues* | PASS |

PASS (FAIL) means that the results shown on the report (do not) comply with the required limits.

***** For further details, please refer to the following page(s) *****

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1) LFGB §31**▼ Sensory analysis***

Test Method: Refer to DIN 10955:2024-01

Food Simulant(s): Water; Test Condition: 100°C, 2h

| Test Item(s) | Result | MDL | Limit | Unit |
|--------------------------|--------|-----|-------|------|
| | 001 | | | |
| Sensory analysis (odor) | 0 | -- | ≤2.5 | -- |
| Sensory analysis (taste) | 0 | -- | ≤2.5 | -- |

Note: Grade evaluation:

0= no discernible deviation

1= barely discernible deviation

2= weak deviation

3= clear deviation

4= strong deviation

2) LFGB §30&31, Res AP(2004)5 Resolution on silicone used for food contact applications, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food**▼ Overall migration***

Test Method: EN 1186-3:2022

Food Simulant(s): 3% acetic acid; Test Condition: 100°C, 2h

Immersion Method: Total immersion method; Migration times: 1; Area-Volume Ratio(S/V): 10.0 dm²/L

| Test Item(s) | Result | MDL | Limit | Unit |
|-------------------|--------|-----|-------|--------------------|
| | 001 | | | |
| Overall migration | 3.8 | 3.0 | ≤10 | mg/dm ² |

Food Simulant(s): 50% ethanol; Test Condition: 100°C, 2h

Immersion Method: Total immersion method; Migration times: 1; Area-Volume Ratio(S/V): 10.0 dm²/L

| Test Item(s) | Result | MDL | Limit | Unit |
|-------------------|--------|-----|-------|--------------------|
| | 001 | | | |
| Overall migration | 3.9 | 3.0 | ≤10 | mg/dm ² |

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3) LFGB §30&31, BfR recommendation XV Silicones, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food**▼ Volatile organic matter(VOM)**

Test Method: With reference to BfR "Determination of volatile compounds in silicone consumer products"

Test Condition: 200°C, 4h

| Test Item(s) | Result | MDL | Limit | Unit |
|------------------------------|--------|------|-------|------|
| | 001 | | | |
| Volatile organic matter(VOM) | N.D. | 0.05 | ≤0.5 | % |

▼ Peroxide residues*

Test Method: 58th Communication on testing of plastics in Bundesgesundheitsbl. 40 (1997) 412

| Test Item(s) | Result | MDL | Limit | Unit |
|----------------|----------|-----|----------|------|
| | 001 | | | |
| Peroxide value | Negative | -- | Negative | -- |

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- According to the client's statement, the reasons for the multiple information in the "sample information" of this report may include (but are not limited to): supplying to different buyers, being sold to different countries or regions, former names, or mixtures of several substances.

Sample/Part Description

| No. | CTI Sample ID | Description |
|-----|---------------|---------------------|
| 1 | 001 | Black grey silicone |

Note:

- "*" indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.

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Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 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 / CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full;
6. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** End of Report ***