



Technical Report No. 68.420.19.0252.01E
Dated 2019-03-28

Client: Flashbay Electronics

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Attn.: Mr. Levin

Sample Description: Water Bottles

Model No.: Compresso(CP)

Sample Received Date: 2019-03-10

Test Period: From 2019-03-10 to 2019-03-19

Location of Testing: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

Purpose of examination: As specified by client, to test below items as regulated by the Regulation (EC) No.1935/2004,

Test Result: Refer to following page(s)

Remark:

- The result relates only to the items tested.
- The test condition was specified by client.
- The test item(s) and sample(s) were specified by the client.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
TÜV SÜD Group

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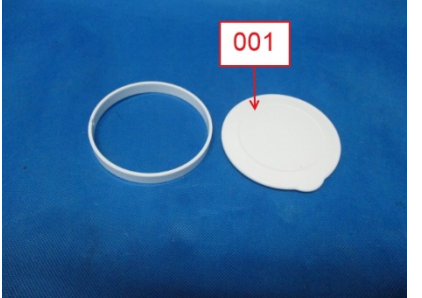

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SUMMARY OF TEST RESULTS

| No. | Test Requested | Conclusion | Remarks |
|-----|--|------------|---------|
| 1. | For material: Plastics or coating – Overall Migration test for compliance with regulation (EU) No. 10/2011, (EU) No. 2016/1416, (EU) No. 2017/752 and (EU) No. 2018/79 | PASS | |
| 2. | For material: Silicone – Overall migration test for compliance with Resolution AP (2004)5. | PASS | |
| 3. | For material: Plastics or coating – Specific Migration of Heavy Metals (Ba, Co, Cu, Fe, Li, Mn, Zn, Al, Ni, W) for compliance with regulation (EU) No. 10/2011 and it's amendment (EU) No. 2016/1416, (EU) No. 2017/752 and (EU) No. 2018/79. | PASS | |

1. TESTED SUBJECT DESCRIPTION

| Sample Number | Item Name | Tested Material Description | Photo |
|---------------|----------------|-----------------------------|--|
| 001 | Cover (PP) | White plastic |  |
| 002 | Mug (silicone) | White silicone |  |

2. TEST RESULT

2.1. OVERALL MIGRATION TEST FOR PLASTIC

Test method: As specified in Regulation (EU) No. 10/2011; with reference to EN 1186:part 1, part 2, part 3, part 8, part 9 & part 14 :2002.

| Simulant Used | Test Condition | Result [mg/dm ²] | Maximum Permissible Limit [mg/dm ²] |
|----------------|-------------------|------------------------------|---|
| | | Sample 001 | |
| 3% Acetic Acid | 70 °C for 2 hours | < 3.0 | 10 |
| 50% Ethanol | 70 °C for 2 hours | < 3.0 | 10 |

Note:

- “°C” denotes degree Celsius
- “mg/dm²” denotes milligram per square decimeter
- “<” denotes less than
- The specification was quoted from regulation (EU) 10/2011.

2.2. OVERALL MIGRATION TEST FOR SILICONE

Test method: As specified in Resolution AP (2004)5; with reference to EN 1186:part 1, part 2, part 3, part 8, part 9 & part 14 :2002.

| Simulant Used | Test Condition | Result [mg/dm ²] | Maximum Permissible Limit [mg/dm ²] |
|----------------|-------------------|------------------------------|---|
| | | Sample 002 | |
| 3% Acetic Acid | 70 °C for 2 hours | < 3.0 | 10 |
| 50% Ethanol | 70 °C for 2 hours | < 3.0 | 10 |

Note:

- “°C” denotes degree Celsius
- “mg/dm²” denotes milligram per square decimeter
- “<” denotes less than
- The specification was quoted from Resolution AP (2004)5.

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2.3. SPECIFIC MIGRATION OF HEAVY METALS (Ba, Co, Cu, Fe, Li, Mn, Zn, Al, Ni, W) TEST

Test method: As specified in Regulation (EU) No. 10/2011, the sample(s) were migrated with food simulant, followed by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) analysis.

Testing condition and simulant: 3% acetic acid at 70 °C for 2 hour(s).

| Test Item | Result [mg/kg] | Maximum Permissible Limit [mg/kg] |
|----------------|----------------|-----------------------------------|
| | Sample 001 | |
| Barium (Ba) | <0.10 | 1 |
| Cobalt (Co) | <0.05 | 0.05 |
| Copper (Cu) | <0.50 | 5 |
| Iron (Fe) | <1.00 | 48 |
| Lithium (Li) | <0.10 | 0.6 |
| Manganese (Mn) | <0.05 | 0.6 |
| Zinc (Zn) | <1.00 | 5 |
| Aluminium (Al) | <0.05 | 1 |
| Nickel (Ni) | <0.02 | 0.02 |
| Tungsten (W) | <0.02 | 0.05 |

Note:

- “°C” denotes degree Celsius
- “mg/kg” denotes milligram per kilogram foodstuff
- “<” denotes less than
- The specification was quoted from regulation (EU) 10/2011 and it’s amendments regulation (EU) 2016/1416, (EU) 2017/752, (EU) No. 2018/79.
