

Test Report

Number: GZHH00487051

Applicant: FLASHBAY ELECTRONICS
BUILDING2 ,JIXUN INDUSTRIAL PARK ,
XINJIAO ,DONG'AO VILLAGE ,SHATIAN TOWN ,
HUIYANG DISTRICT ,HUIZHOU CITY ,
GUANGDONG PROVINCE,P.R.CHINA

Date: Apr 06, 2023

Sample Description:

Twenty (20) pieces of submitted sample said to be :

Item Name : **Water Bottles**
Item No. : **Flexi /FXI**
Country of Origin : China
Date Sample Received : Mar 29, 2023
Testing Period : Mar 29, 2023 ~ Apr 04, 2023

Test sample



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

To be continued



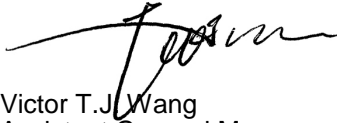
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Conclusion:

| <u>Tested sample</u> | <u>Standard</u> | <u>Result</u> |
|--|--|---------------|
| Tested component(s) of submitted sample(s) | U.S. F.D.A. Regulation 21 CFR Part 177.1520 Clauses (c)(1.1a and 1.1b) on polypropylene | Pass |
| | U.S. 21 CFR F.D.A. Regulation Part 180.22 on finished food contact article intended for repeated use | Pass |
| | U.S. F.D.A. Regulation 21 CFR Part 177.2600 rubber articles intended for repeated use, Section (e) | Pass |
| | U.S.21 CFR F.D.A Regulation Part 177.1210 Clause (c) on closures with sealing gaskets for food containers. | Pass |

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines



Victor T.J. Wang
Assistant General Manager



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Tests Conducted

1 Test for F.D.A. Regulation on Polypropylene

As per the U.S. Food and Drug Administration 21 CFR Part 177.1520 Clauses (c)(1.1a and 1.1b) and (d) with modification on density and melting point.

| Test item | Result | Reporting Limit | Limit |
|---|--------|-----------------|--------------------------------------|
| | (1) | | |
| Density (By sink float method) | 0.908 | -- | 0.880 - 0.913 |
| Melting point, °C (By melting point apparatus) | 167 | -- | 160 - 180 (1.1a) 150 - 180 (1.1b) |
| Maximum extractable fraction in n-Hexane, % | ND | 1.0 | 6.4 |
| Maximum soluble fraction in Xylene, % | 1.9 | 1.0 | 9.8 |

ND = Not detected(less than reporting limit)

Tested Components: See component list in the last section of this report.

2 Test for F.D.A. Regulation on Acrylonitrile Copolymers

With reference to the U.S. 21 CFR Food and Drug Administration Part 180.22.

I. Condition of use

Room temperature filled and stored (No thermal treatment in the container)

II. Result

| Solvent | Acrylonitrile Monomer(mg/in ²) | Report limit (mg/in ²) | Limit (mg/in ²) |
|----------------|--|---------------------------------------|--------------------------------|
| | (2) | | |
| 3% Acetic Acid | ND | 0.0003 | 0.003 |
| 50% ethanol | ND | 0.0003 | 0.003 |
| 8% ethanol | ND | 0.0003 | 0.003 |

ND = Not detected(less than reporting limit)

Tested Components: See component list in the last section of this report.



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3 Test for F.D.A. Regulation on Rubber

With reference to the U.S. Food and Drug Administration 21 CFR Part 177.2600 - rubber articles intended for repeated use, Section (e).

First 7 hours extraction:

| Test item | Result(mg/in ²) | Reporting limit | limit |
|---------------------------|-----------------------------|-----------------------|-----------------------|
| | (4) | (mg/in ²) | (mg/in ²) |
| Water extractable content | ND | 1 | 20 |

Succeeding 2 hours extraction:

| Test item | Result(mg/in ²) | Reporting limit | limit |
|---------------------------|-----------------------------|-----------------------|-----------------------|
| | (4) | (mg/in ²) | (mg/in ²) |
| Water extractable content | ND | 0.1 | 1 |

ND = Not Detected(less than reporting limit)

Tested Components : See component list in the last section of this report.

4 Test for F.D.A. Regulation on Closure with Sealing Gaskets for Food Containers

As per the U.S.21 CFR Food and Drug Administration Part 177.1210 Clause (c).

I. Condition of use

Room temperature filled and stored (no thermal treatment in the container)

II. Result

| Test item | Result | Reporting limit | Limit |
|---|--------|-----------------|-------|
| | (3) | | |
| Soluble chloroform fraction in water extractant , ppm | ND | 10 | 50 |
| Soluble chloroform fraction in alcohol extractant , ppm | ND | 10 | 50 |

ND=Not detected (less than reporting limit)

Tested Components: See component list in the last section of this report.



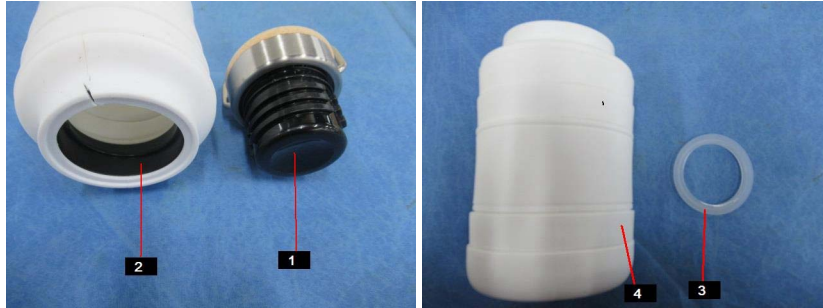
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Component list:

- (1) Black PP plastic (lid).
- (2) Black ABS plastic (ring of bottle).
- (3) Semi-transparent white silicone (seal ring).
- (4) White silicone (bottle).



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Reference photo



Remark: The products in the reference photo are not tested in this report. It's declared by the applicant that they are the same series of products with the particular tested sample, just included in the report for reference.

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

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