

Test Report

Number: GZHH00498550

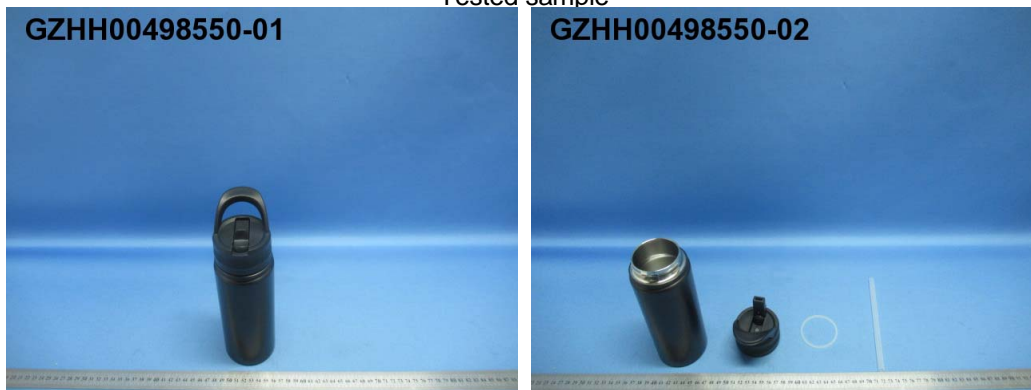
Applicant: FLASHBAY ELECTRONICS
BUILDING2 , JIXUN INDUSTRIAL PARK, XINJIAO,
DONG'AO VILLAGE, SHATIAN TOWN, HUIYANG
DISTRICT, HUIZHOU CITY, GUANGDONG PROVINCE,
P.R.CHINA

Date: Jun 29, 2023

Sample Description:

Four (4) pieces of submitted sample said to be :
Item Name : **Water Bottle**
Item No. : **Range/RGE**
Country of Origin : **China**
Date Sample Received : **Jun 20, 2023**
Testing Period : **Jun 20, 2023 ~ Jun 28, 2023**

Tested sample



Tests conducted:

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

To be continued



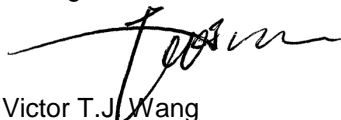
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Conclusion:

<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)(2.1) on polyethylene	Pass
	FDA General Recognized As Safe (GRAS)	Pass
	U.S.21 CFR F.D.A Regulation Part 177.1210 Clause (c) on closures with sealing gaskets for food containers.	Pass
	U.S. 21 CFR F.D.A. Regulation Part 177.1520 Clause 3.1a and 3.1b for olefin copolymer	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 Polyethylene

As per the U.S. Food and Drug Administration 21 CFR Part 177.1520 Clauses (c)(2.1) and (d) with modification on density.

Test item	Result	Reporting Limit	Limit
	(2)		
Density (By sink-float method)	0.92	--	0.85 - 1.00
Maximum extractable fraction in n-hexane, %	ND	1.0	5.5 / 2.6
Maximum extractable fraction in xylene, %	2.3	1.0	11.3

ND = Not detected (less than reporting limit)

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

2 Total Chromium content

By acid digestion followed by Inductively Coupled Plasma Emission Spectroscopic analysis.

Element	Result (%)	Reporting limit (%)	Limit (%)
	(4)		
Chromium (Cr)	18.62	0.01	16 min

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

3 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

Hot filled or pasteurized above 150°F (65.6°C)

II. Result

Test item	Result	Reporting limit	Limit
	(5)		
Soluble chloroform fraction in water extractant , ppm	ND	10	50
Soluble chloroform fraction in heptane extractant , ppm	ND	10	50/250/500



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Remark: The limit 50ppm for preformed overall discs or annular rings of vulcanized plasticized polymers, including natural or synthetic rubber

The limit 250 ppm for preformed overall discs or annular rings of polymeric or resinous-coated paper, paperboard, plastic, or metal foil substrates and Preformed overall discs or annular rings of plasticized polymers, including unvulcanized natural or synthetic rubber

The limit 500ppm for plasticized polymers, including unvulcanized or vulcanized or otherwise cured natural and synthetic rubber formed in place as overall discs or annular rings from a hot melt, solution, plastisol, organisol, mechanical dispersion, or latex

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 Olefin Copolymer

As per the U.S. Food and Drug Administration 21 CFR Part 177.1520 Clause 3.1a and 3.1b.

Test item	Result	Reporting Limit	Limit
	(1)		
Density (By sink float method)	0.9	--	0.85 - 1.00 (3.1a) 0.9 - 1.00 (3.1b)
Maximum extractable fraction in n-Hexane, %	ND	1.0	5.5 / 2.6
Maximum soluble fraction in Xylene, %	ND	1.0	30

ND = Not detected (less than reporting limit)

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

Component list:

Sequence No.	Test Component No.	Test Component Description(s)
SN1	1.	Black PP plastic (lid, nozzle).
SN2	2.	Semi-transparent white PE plastic (straw).
SN3	4.	Silver color stainless steel (bottle).
SN4	5.	Semi-transparent white silicone (seal ring, sealing plug).



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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