



DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou branch

Flashbay Electronics
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Guangdong Province, P.R. China

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Page 1 of 6

TEST REPORT

Test Report No. : **4378028.50** Version 1
Project No. : **4378028.00**
Test Report Date : **2021-07-20**

Job No. : 21-01212
Applicant : Flashbay Electronics
Building 2, Jixun Industrial Park, Xinjiao, Dong'ao Village, Shatian Town,
Huiyang District, Huizhou City, Guangdong Province, P.R. China
Product Name : Water Bottle
Model No. : Nova(NV)
Test Requested : 1. U.S. 21 CFR F.D.A. Regulation Part 177.1520 Clause 1.1a and 1.1b for
Polypropylene
2. U.S. F.D.A. Regulation 21 CFR Part 177.1210 on closures with sealing
gaskets for food containers
3. FDA General Recognized as Safe (GRAS)
Test Method : Please refer to next pages
Sample Received : 2021-07-06
Testing Period : 2021-07-06 to 2021-07-15
Test Results
- following pages -

Resume:

No.	Parameter	Product Name: Water Bottle Model No.: Nova(NV)
		
1.	Test for F.D.A. Regulation on Polypropylene 21 CFR 177.1520	PASS
2.	Test for F.D.A. Regulation on closures with sealing gaskets for food containers 21 CFR Part 177.1210	PASS
3.	FDA General Recognized as Safe (GRAS)	PASS

Guangzhou, July 20, 2021

Signed for and on behalf of

DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou branch

Chemical & Mechanical



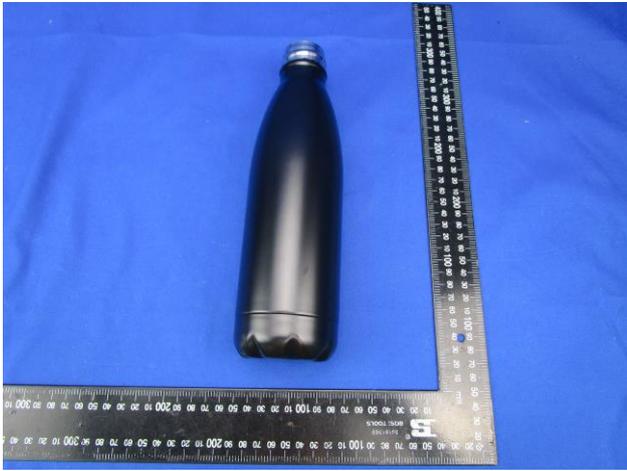
Raymond Yu
Senior Manager

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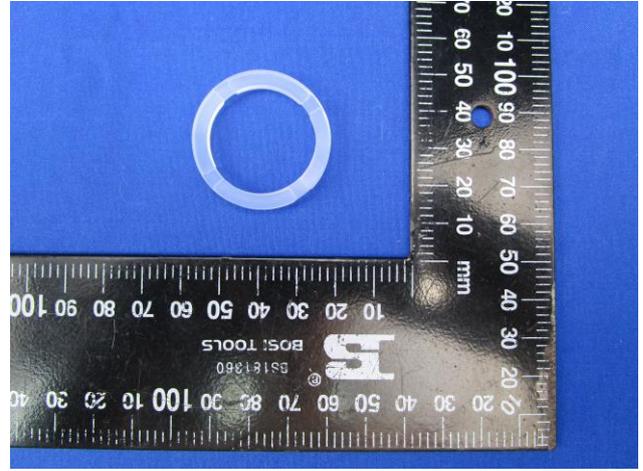
Sample Descriptions:

No.	Sample Descriptions	Materials (claimed by applicant)
(1)	Body	SUS 304
(2)	Gasket	Silicone (White)
(3)	Lid	PP (Black)

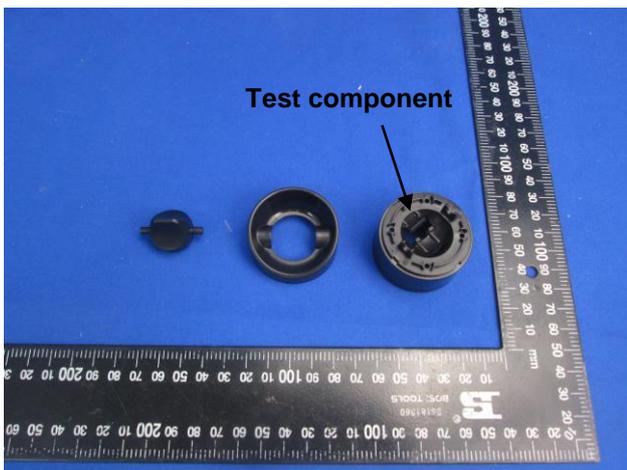
Sample photos



Picture (1), Body



Picture (2), Gasket



Picture (3), Lid

(Blank)

TEST RESULTS

1. U.S. 21 CFR F.D.A. Regulation Part 177.1520 Clause 1.1a and 1.1b for Polypropylene

With reference to the U.S. Food and Drug Administration 21 CFR Part 177.1520 Clause 1.1a and 1.1b.

Parameter		Result	MDL	Limit
		(3)		
(a)	Density	0.904	--	0.880-0.913
(b)	Melting Point (°C)	162.4	--	160-180 (1.1a) 150-180 (1.1b)
(c)	Maximum extractable fraction in n-hexane, % (w/w)	0.77	0.5	6.4
(d)	Maximum extractable fraction in xylene, % (w/w)	0.97	0.5	9.8

Remark:

1. % = Percentage
2. N.D. = Not Detected (below MDL)
3. MDL = Method Detection Limit

2. U.S. F.D.A. Regulation 21 CFR Part 177.1210 on closures with sealing gaskets for food containers

With reference to the U.S. Food and Drugs Administration 21 CFR Part 177.1210.

Parameter		Test condition	Result (ppm)	MDL (ppm)	Limit (ppm)
			(2)		
a)	Chloroform-soluble extractives residue in water extractant,	Fill boiling, cool to 100 deg.F	<5	5	50
b)	Chloroform-soluble extractives residue in n-heptane extractant	120°F, 15 mins	12.6	5	50

Remark:

1. ppm = parts per million

3. FDA General Recognized as Safe (GRAS)**Total Chromium content**

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

Parameter	Result (%)	MDL (%)	Limit (%)
	(1)		
Tot. Chromium (Cr)	18.23	0.005	16.0 min.

Remark:

1. MDL = Method Detection Limit

---End of Report---