

Flashbay Electronics
Building2, Jixun Industrial Park, Xinjiao, Dong'ao Village,
Shatian Town, Huiyang District, Huizhou City,
Guangdong Province, P.R. China

TEST REPORT

Test Report No. : **4387797.55** Version 1
Project No. : **4387797.00**
Test Report Date : **2022-05-24**

Job No. : 22-00926

Applicant : Flashbay Electronics
Building2, Jixun Industrial Park, Xinjiao, Dong'ao Village, Shatian Town,
Huiyang District, Huizhou City, Guangdong Province, P.R. China

Product Name : Water bottles

Model No. : Adventure(AD)

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. 21 CFR F.D.A. Regulation Part 177.2600 rubber articles intended
for repeated use, Section (e) and (f)
3. FDA General Recognized as Safe (GRAS)
- Total Chromium content

Test Method : Please refer to next pages

Sample Received : 2022-04-12 and 2022-04-19

Testing Period : 2022-04-01 to 2022-05-06

Test Results

- following pages -

Resume:

No.	Parameter	Conclusion
1.	Test for F.D.A. Regulation on polypropylene 21 CFR 177.1520	PASS
2.	Test for F.D.A. Regulation on Rubber 21 CFR Part 177.2600	PASS
3.	Total Chromium content f (GRAS)	PASS

Guangzhou, May 24, 2022

Signed for and on behalf of

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

Chemical & Mechanical



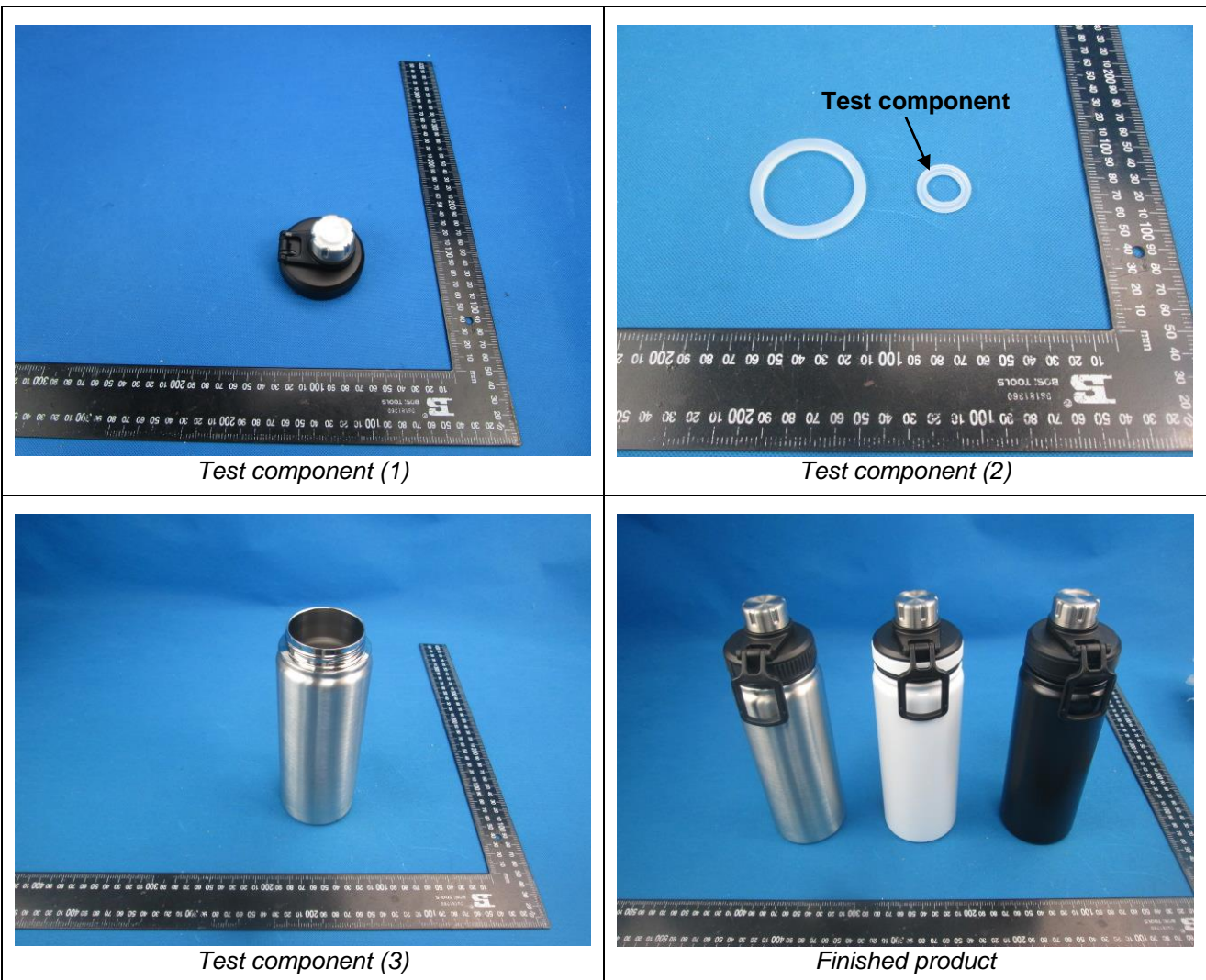

Devin Ai
Assistant Manager

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Sample Descriptions:

No.	Description(s)	Material(s) (claimed by applicant)
(1)	Lid	PP (Black)
(2)	Sealing ring	Silicone (Transparent)
(3)	Bottle	SUS 304

Sample photos



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
		(1)		
a)	Density	0.900	--	0.880-0.913
b)	Melting Point (°C)	168.2	--	160-180 (1.1a) 150-180 (1.1b)
c)	Maximum extractable fraction in n-hexane, % (w/w)	0.83	0.5	6.4
d)	Maximum extractable fraction in xylene, % (w/w)	3.69	0.5	9.8

Remark:

1. % = Percentage
2. MDL = Method Detection Limit

2. U.S. 21 CFR F.D.A. Regulation Part 177.2600 rubber articles intended for repeated use, Section (e) and (f)

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

Parameter		Test condition	Result (mg/in ²)	MDL (mg/in ²)	Limit (mg/in ²)
			(2)		
(a)	Total extractives in water	Reflux temperature, first 7 hours	<0.20	0.20	20
		Reflux temperature, succeeding 2 hours	0.35	0.20	1
(b)	Total extractives in n-hexane	Reflux temperature, first 7 hours	4.21	0.20	175
		Reflux temperature, succeeding 2 hours	<0.20	0.20	4

Remark:

1. mg/in² = Milligram per square inch

3. FDA General Recognized as Safe (GRAS)

Total Chromium content for stainless steel

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

Parameter	Result (%)	MDL (%)	Limit (%)
	(3)		
Tot. Chromium (Cr)	19.58	0.005	16 Min.

Remark:

1. MDL = Method Detection Limit

---End of Report---