

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. : **4393068.54** Version 1
Project No. : **4393068.00**
Test Report Date : **2022-08-23**

Job No. : 22-02447

Applicant : Flashbay Electronics

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

Product Name : Travel Cups

Model No. : Espresso-EE

Test Requested : 1. FDA General Recognized as Safe (GRAS)
2. U.S. 21 CFR F.D.A. Regulation Part 177.1520 Clause 1.1a and 1.1b
for polypropylene
3. U.S. 21 CFR F.D.A. Regulation Part 177.2600 rubber articles intended
for repeated use, Section (e) and (f)

Test Method : Please refer to next pages


Sample Received : 2022-07-27 and 2022-08-09

Testing Period : 2022-07-27 to 2022-08-23

Test Results

- following pages -

Resume:

No.	Parameter	Sample photos
		
1.	FDA General Recognized As Safe (GRAS)	PASS
2.	Test for F.D.A. Regulation on polypropylene 21 CFR 177.1520	PASS
3.	Test for F.D.A. Regulation on Rubber 21 CFR Part 177.2600	PASS

Guangzhou, August 23, 2022

Signed for and on behalf of

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

Chemical & Mechanical



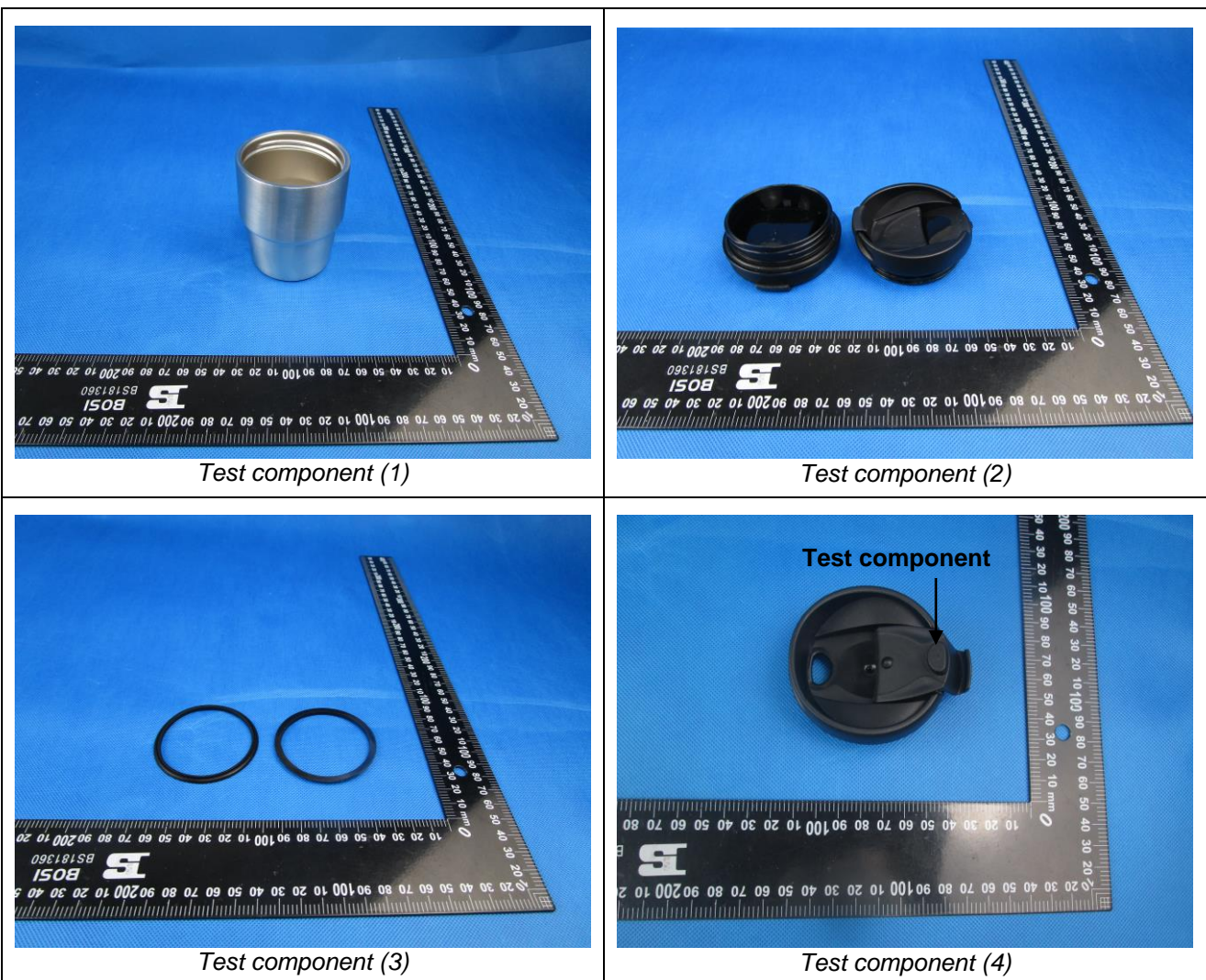
Devin Ai
Assistant Manager

Attention: Please note that every statement made in this report is only valid for the samples tested and reported herein. This report shall not be reproduced except in full, without the written approval of the testing laboratory.

Sample Descriptions:

No.	Description(s)	Material(s) (claimed by applicant)
1.	Cup	SUS304
2.	Lid	PP (Black)
3.	Seal ring	Silicone (Black)
4.	Seal of lid	TPR (Black)

Sample photos



TEST RESULTS

1. 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)	17.68	0.005	16 Min.

Remark:

1. MDL = Method Detection Limit

2. 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
		(2)		
a)	Density	0.908	--	0.880-0.913
b)	Melting Point (°C)	170.1	--	160-180 (1.1a) 150-180 (1.1b)
c)	Maximum extractable fraction in n-hexane, % (w/w)	<0.5	0.5	6.4
d)	Maximum extractable fraction in xylene, % (w/w)	<0.5	0.5	9.8

Remark:

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

3. 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)
			(3)	(4)		
(a)	Total extractives in water	Reflux temperature, first 7 hours	<0.20	<0.20	0.20	20
		Reflux temperature, succeeding 2 hours	0.30	<0.20	0.20	1
(b)	Total extractives in n-hexane	Reflux temperature, first 7 hours	7.14	3.78	0.20	175
		Reflux temperature, succeeding 2 hours	0.50	<0.20	0.20	4

Remark:

1. mg/in² = Milligram per square inch

---End of Report---