



**Technical Report No. 68.420.19.0253.01F**  
**Dated 2019-03-28**

Client: Flashbay Electronics

Address: 1-4/F of Bldg No.3, Bldg No.2, 101-501F of Bldg No.1, Xifengcheng Industrial Park, No.2, Fuyuan Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province, P. R. China

Attn.: Mr. Levin

Sample Description: Water Bottles

Model No.: Cuppa(KA)

Country of origin: China

Exported to: U. S. A

Sample Received Date: 2019-03-10

Test Period: From 2019-03-10 to 2019-03-19

Location of Testing: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

Purpose of examination: As specified by client, to test as regulated by the U.S. F.D.A. C.F.R. 21

Test Result: Refer to following page(s)

Remark: The result relates only to the items tested.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch  
TÜV SÜD Group

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Reviewed by:

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Designated Reviewer

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SUMMARY OF TEST RESULTS

No.	Test Requested	Conclusion	Remarks
1.	For material: Acrylonitrile copolymers and resins - Test for compliance with U.S. F.D.A. C.F.R. 21. Part 180.22 & 181.32	PASS	
2.	For material: Rubber - Test for compliance with U.S. F.D.A. C.F.R. 21. Part 177.2600	PASS	



**1. TESTED SUBJECT DESCRIPTION**

Sample Number	Item Name	Tested Material Description	Photo
001	Cover/Case (ABS)	White plastic	
002	Mug (silicone)	White silicone	

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**2. TEST RESULT**

**2.1. TEST FOR COMPLIANCE WITH U.S. F.D.A. C.F.R. 21. PART 180.22 & 181.32**

Test Item	Result(s) [mg/in <sup>2</sup> ]	CFR Specification [mg/in <sup>2</sup> ]
	Sample 001	
Acrylonitrile monomer migration in Distilled Water (212°F for 0.5 hour)	< 0.001	< 0.003
Acrylonitrile monomer migration in 8% Alcohol (212°F for 0.5 hour)	< 0.001	< 0.003
Acrylonitrile monomer migration in 3% Acetic acid (212°F for 0.5 hour)	< 0.001	< 0.003
Acrylonitrile monomer migration in n-Heptance (120°F for 0.5 hour)	< 0.001	< 0.003

Note :

- “°F” denotes degree Fahrenheit
- “mg/in<sup>2</sup>” denotes milligram per square inch
- “<” denotes less than
- Specification is quoted from U.S. F.D.A. C.F.R. 21. Part 180.22 & 181.32

**2.2. TEST FOR COMPLIANCE WITH U.S. F.D.A. C.F.R. 21. PART 177.2600**

Test Item	Result(s) [mg/in <sup>2</sup> ]	CFR Specification [mg/in <sup>2</sup> ]
	Sample 002	
Total extractive of distilled water at reflux temperature		
- for first 7 hours	< 1.0	< 20
- for succeeding 2 hours	< 0.1	< 1
Total extractive of n-hexane at reflux temperature		
- for first 7 hours	9.30	< 175
- for succeeding 2 hours	0.40	< 4

Note :

- “°F” denotes degree Fahrenheit
- “mg/in<sup>2</sup>” denotes milligram per square inch
- “<” denotes less than
- Specification is quoted from U.S. F.D.A. C.F.R. 21. Part 177.2600

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