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Guangdong Province, P.R. China

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# TEST REPORT

**Test Report No.** : **4396992.60** Version 2 (Supersedes Version 1)  
**Project No.** : **4396992.00**  
**Test Report Date** : **2022-12-20**

Job No. : 22-03752  
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. : Nova pure-NVP  
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)  
Test Method : Please refer to next pages  
Sample Received : 2022-11-18 and 2022-11-23  
Testing Period : 2022-11-18 to 2022-12-20

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.	FDA General Recognized as Safe (GRAS)	PASS

Guangzhou, December 20, 2022

Signed for and on behalf of

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

Chemical & Mechanical



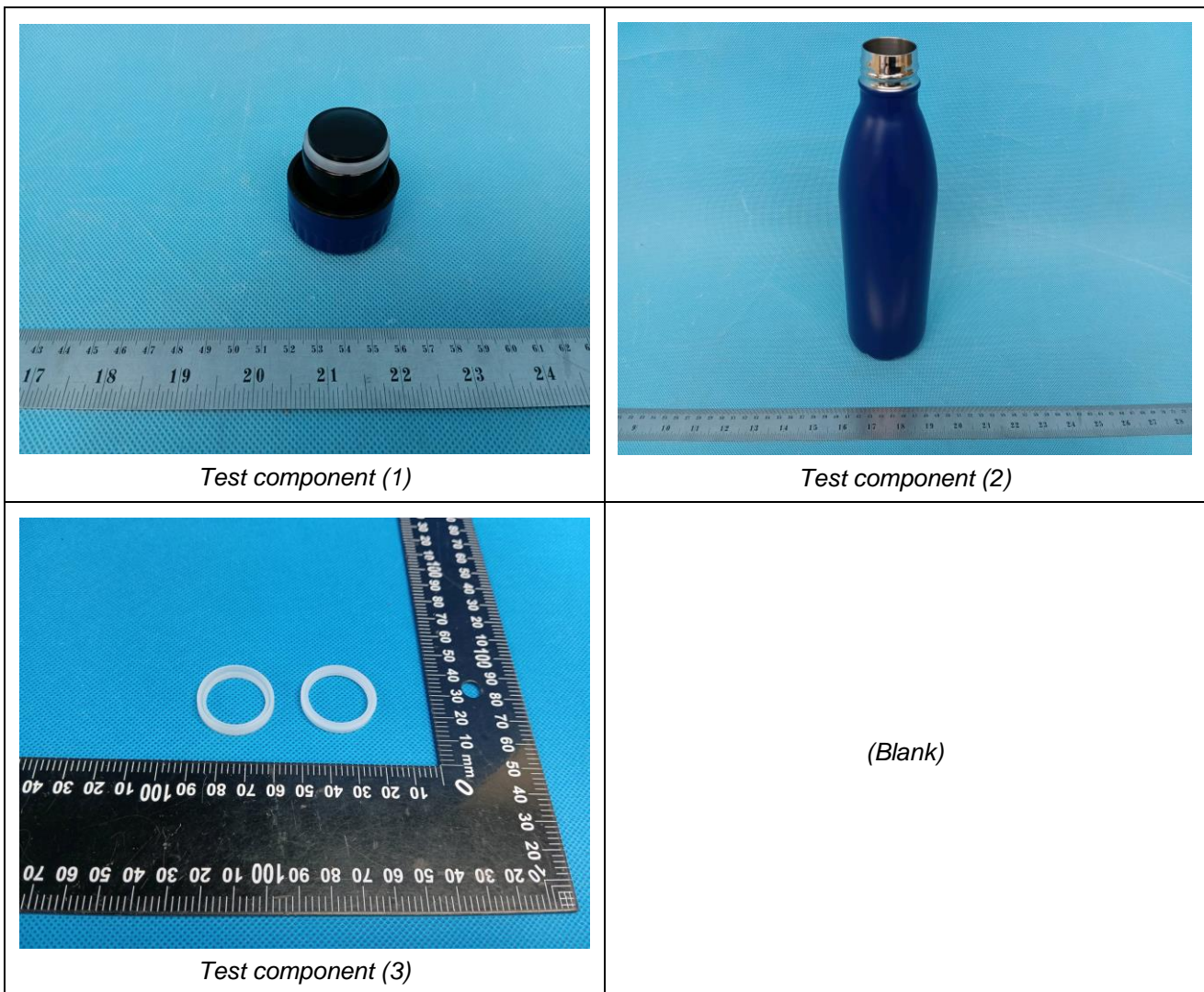

Devin Ai  
Laboratory Manager

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.	Sample Descriptions	Materials (claimed by applicant)
(1)	Lid	PP (Black)
(2)	Body	Stainless steel
(3)	Sealing ring	Silicone (White)

**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	0.904	--	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)	0.95	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 <sup>2</sup> )	MDL (mg/in <sup>2</sup> )	Limit (mg/in <sup>2</sup> )
			(3)		
(a)	Total extractives in water	Reflux temperature, first 7 hours	<0.20	0.20	20
		Reflux temperature, succeeding 2 hours	<0.20	0.20	1
(b)	Total extractives in n-hexane	Reflux temperature, first 7 hours	5.02	0.20	175
		Reflux temperature, succeeding 2 hours	<0.20	0.20	4

Remark:

1. mg/in<sup>2</sup> = Milligram per square inch

**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 (%)
	(2)		
Tot. Chromium (Cr)	17.60	0.005	16 Min.

Remark:

1. MDL = Method Detection Limit

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Remark:

The information of Annex was submitted by the client. DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou branch takes no responsibility for any mistake caused by inaccuracy and/or invalid information.

Annex 1



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---End of Report---