

Test Report

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

Sample Description : Water Bottles

Model No. : Orion (OI)

Reference Information^Δ : Refer to Annex

The information and sample(s) above were submitted and identified by or on behalf of the client.

Sample Received : 2026-01-27

Testing Period : 2026-01-27 to 2026-02-28

<u>Test Requested</u>		<u>Result</u>
1.	U.S. 21 CFR F.D.A. Regulation Part 177.1520 Clause 1.1a and 1.1b on polypropylene	PASS
2.	U.S. F.D.A. Regulation 21 CFR Part 177.2600 on rubber articles intended for repeated use, Section (e) and (f)	PASS
3.	FDA General Recognized as Safe (GRAS)	
	- Total Chromium content for stainless steel	PASS

Signed for and on behalf of

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






Devin Ai

Approver

Picture of Sample Tested

Tested Sample Description:

No.	Specimen Description	Material(s) (claimed by applicant)	Photo
1.	Inner	AISI 304	
2.	Sealing Gaskets	Silicone (White)	
3.	Cover	PP (Black)	

TEST RESULTS

1. U.S. 21 CFR F.D.A. Regulation Part 177.1520 Clause 1.1a and 1.1b on 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	0.911	--	0.880-0.913
b)	Melting Point (°C)	162	--	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)	1.67	0.5	9.8

Remark:

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

2. U.S. F.D.A. Regulation 21 CFR Part 177.2600 on 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	0.38	0.20	20
		Reflux temperature, succeeding 2 hours	0.27	0.20	1
(b)	Total extractives in n-hexane	Reflux temperature, first 7 hours	22.71	0.20	175
		Reflux temperature, succeeding 2 hours	1.71	0.20	4

Remark:

1. mg/in² = Milligram per square inch

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

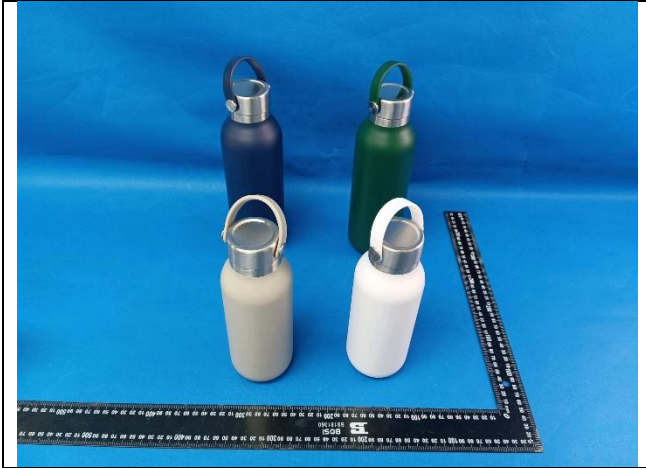
By acid digestion followed by Inductively Coupled Plasma Emission Spectroscopic analysis.

Parameter	Result (%)	MDL (%)	Limit (%)
	(1)		
Tot. Chromium (Cr)	20.73	0.005	16 Min.

Remark:

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

Annex



^Δ The reference model information is provided by the client and claimed that the identical materials and/or construction as the tested samples are used. The samples displayed here are not tested samples and are for reference only DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou branch takes no liability for information validation.

---End of Report---

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