FDA Test Report

Applicant	Yongkang Weirun Industry & Trade Co., Ltd
Address	401, Building 25, West Zone, Ming Security Industrial Park, Huajie Street, Yongkang City, Jinhua City, Zhejiang Province, China
Manufacturer	Yongkang Weirun Industry & Trade Co., Ltd
Address	401, Building 25, West Zone, Ming Security Industrial Park, Huajie Street, Yongkang City, Jinhua City, Zhejiang Province, China
Product Name	Hydrogen rich water cup
Brand Name	N/A
Model Number	XR-02
Series Model No.	XR-01, XR-03, XR-04, XR-05, XR-06, XR-07, XR-08, XR-09, XR-010, XR-011, XR-012, XR-013
Date of Receipt:	Feb. 01, 2024
Date of Test:	Feb. 01, 2024 - Feb. 04, 2024
Date of Report:	Feb. 04, 2024
Test Method	Please refer to next page.
Test Result	Please refer to next page.

Test Requested	**Conclusion**
FDA CPG 7117.05-Extractable Lead (Pb)	Pass
FDA CPG 7117.06,07-Extractable lead and cadmium	Pass
FDA CFR 21 177.1580-Total extractive residues	Pass
FDA 21 CFR 177.1210–Chloroform-soluble extractive residues	Pass
FDA 21 CFR 180.22&181.32 - Acrylonitrile monomer extraction	Pass

Prepared (Engineer): Cheney Wei

Reviewer (Supervisor): Xiaoshan Ni

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.

Version

Version No.	Date	Description
00	Feb. 04, 2024	Original

Test Part Description:

Specimen No.	Description	Material (claimed by the client)
01	Silver metal (Lid + base)	SUS 304
02	Transparent glass (Body)	Glass
03	Transparent plastic	PC
04	Black silicone key	Silicone
05	White Transparent silicone	Silicone
06	Black plastic shell	ABS

Test Results:

1. FDA CPG 7117.05-Extractable Lead (Pb).

Test Method :With reference to FDA CPG 7117.05.

Test Items	Simulant Used	Time	Temperature	Limit	01
Lead(Pb)	4% Acetic acid	24.0hr(s)	70℉	0.5mg/kg	N.D

Note:

(1) 1mg/kg=0.0001%;

(2) N.D= not detected (less than method detection limit);

(3) Limit=Reference limit.

2. FDA CPG 7117.06,07-Extractable lead and cadmium

Test Method :With reference to US FDA CPG 7117.06,07

Test Items	Simulant Used	Time	Temperature	Limit	02	Comment.
Lead(Pb)	4% Acetic acid	24.0hr(s)	70℉	0.5ppm	N.D	PASS
Cadmium(Cd)	4% Acetic acid	24.0hr(s)	70℉	0.5ppm	N.D	PASS

Note:

(1) ppm = mg/kg = milligram per kilogram of foodstuff in contact with

(2) N.D= not detected (less than method detection limit);

3.FDA CFR 21 177.1580-Total extractive residues

Test Method:With reference to FDA CFR 21 177.1580.

Simulant Used	Time	Temperature	Limit	03	Comment.
Distilled Water	2.0hr(s)	150℉	0.15mg/sq. in	<0.01mg/sq. in	PASS
50% ethanol	2.0hr(s)	150℉	0.15mg/sq. in	<0.01mg/sq. in	PASS
n-Heptane	2.0hr(s)	150℉	0.15mg/sq. in	<0.01mg/sq. in	PASS

Note:

(1) mg/in^2 = milligram per square inch;

4.FDA 21 CFR 177.1210–Chloroform-soluble extractive residues.

Test Method :With reference to US FDA 21 CFR 177.1210.

Simulant Used	Time	Temperature	Limit	04	05	Comment
Distilled Water	24.0hr(s)	120℉	50 mg/kg	N.D.	N.D.	PASS
n-Heptane	0.5hr(s)	70℉	50 mg/kg	N.D.	N.D.	PASS

Note:

(1) mg/kg = milligram per kilogram of foodstuff in contact with;

(2) N.D= not detected (less than method detection limit).

5. FDA 21 CFR 180.22&181.32 - Acrylonitrile monomer extraction

Test Method: With reference to FDA 21 CFR 180.22 & 181.32.

Simulant Used	Time	Temperature	Limit	Result of 06	Comment.
Distilled Water	24.0hr(s)	120℉	0.003 mg/in^2	<0.001 mg/in^2	PASS
3% acetic acid	24.0hr(s)	120℉	0.003 mg/in^2	<0.001 mg/in^2	PASS
n-Heptane	0.5hr(s)	70℉	0.003 mg/in^2	<0.001 mg/in^2	PASS

Note:

(1) mg/in^2 = milligram per square inch;

Photograph of Sample



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