TESTING REPORT

REPORT No. : **(3324)298-0004-1E Revision1**
PAGE : **1 of 7**

Applicant: Zhuhai Invitop Technology Co.,Ltd.

Address: 4th Block, No.625 Xinshawu Road, Tangjiawan Town, High-Tech District, Zhuhai City, Guangdong, China

The following test sample information is provided and confirmed by the client:

***Sample Name:** Frozen Drink Maker

Model R1-RXR02(W)-N7-3-Xy
R2-RXR02(W)-N7-3-Xy
R3-RXR02(W)-N7-3-Xy
R4-RXR2500(W)-N7-3-Xy
R5-RXR2500(W)-N7-3-Xy
R6-RXR2500(W)-N7-3-Xy
R7-RXR3000(W)-N7-3-Xy
R8-RXR3000(W)-N7-3-Xy
R9-RXR3000(W)-N7-3-Xy
Note: (X can represent numbers 0-9) (y can represent numbers 0-9)

Date of sample(s) received: Oct.22,2024

Date of Test Period: Oct.22,2024 ~ Nov.07,2024

***Date of Report:** Dec.20,2024

TEST REQUESTED:	**CONCLUSION**
1. US FDA 21 CFR 181.32 Acrylonitrile copolymers and resins & 21 CFR 180.22 Acrylonitrile copolymers.	
1.1. Acrylonitrile monomer	PASS
2. US FDA 21 CFR 177.1210 Closures with sealing gaskets for food containers.	
2.1. Chloroform extractable extractives	PASS
3. FDA GRAS	
3.1. Total Chromium(Cr)	PASS
4. US FDA 21 CFR 177.2480 Polyoxymethylene homopolymer.	
4.1. Density	PASS
4.2. Melting point(MP)	PASS
4.3. Chloroform extractable extractives	PASS

Remark(s):
1. The result only relates to the items tested.

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Note(s):

1.Testing is completed by an external laborator

2.This report replaces the original report of No. (3324)298-0004-1E Revision, and the original report of No. (3324)298-0004-1E Revision Revision was invalid.

3.* indicates that this information has been modified.

Approved By:

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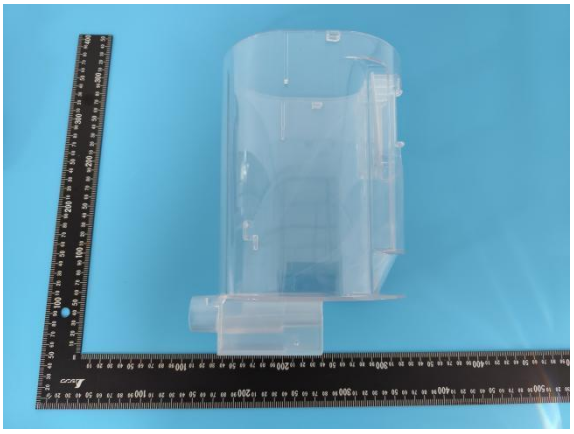
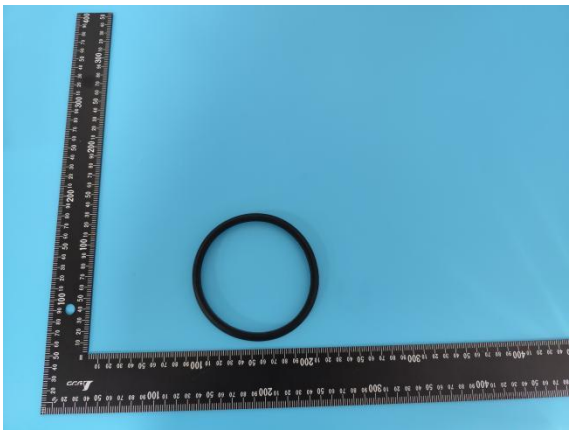
SAMPLE DESCRIPTION:

Sample No.	Description (Material)	Picture(s)of the test sample
001	Transparent plastic (ABS)	
002	Black plastic (Silicone)	

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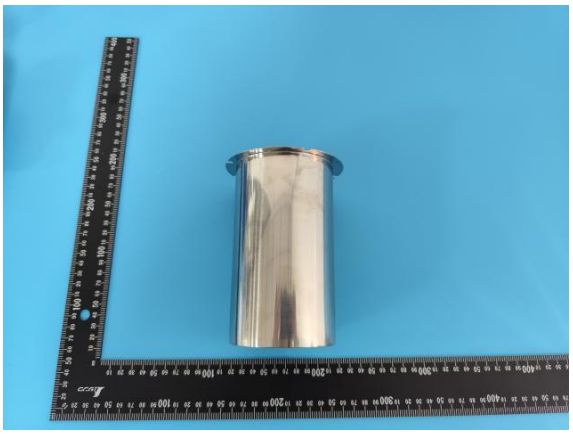
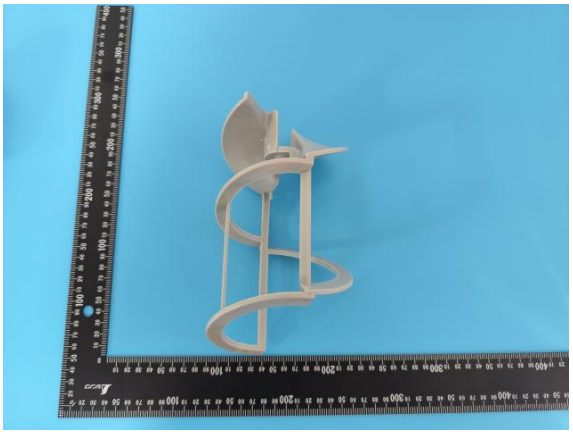
003	Silver metal (SUS 304)	

Sample No.	Description (Material)	Picture(s) of the test sample
004	Grey plastic (POM)	

Remark(s):

1. The sample material type is provided and confirmed by the client.

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TEST RESULT(s):

1. US FDA 21 CFR 181.32 Acrylonitrile copolymers and resins & 21 CFR 180.22 Acrylonitrile copolymers.

1.1. Acrylonitrile monomer[US FDA 21 CFR 181.32 & 180.22]

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

Test Item(s)	RL ($mg/inch^2$)	Test result(s) ($mg/inch^2$)	Limit ($mg/inch^2$)	Conclusion(s
		001		
Acrylonitrile monomer (Distilled Water, 120℉, 24h)	0.001	< 0.001	0.003	**PASS**
Acrylonitrile monomer (3% acetic, 120℉, 24h)	0.001	< 0.001	0.003	**PASS**
Acrylonitrile monomer (8% Ethanol, 120℉, 24h)	0.001	< 0.001	0.003	**PASS**

Remark(s):

1. "<"=Below; RL=Report limit;℉=Fahrenheit degree.
2. The test results only apply to the items tested.
3. The extraction conditions and the limit requirement was specified by the client.
4. The ratio of sample migration experimental area to migration solution volume (mass): S/V=6 dm^2/L(kg).

2. US FDA 21 CFR 177.1210 Closures with sealing gaskets for food containers

2.1. Chloroform extractable extractives[US FDA 21 CFR 177.1210]

Test Method: with reference to US FDA 21 CFR 177.1210(c)

Test Item(s)	RL (mg/kg)	Test result(s) (mg/kg)	Limit(s) (mg/kg)
		002	
Chloroform extractable extractives (Distilled water, 120℉, 24h)	1.0	5.5	50
Chloroform extractable extractives (8% Ethanol, 120℉, 24h)	1.0	4.0	50
Conclusion(s)	—	PASS	—

Remark(s):

1. "<"=Below; RL=Report limit; 1ppm=1mg/kg=0.0001%;℉=Fahrenheit degree.
2. The test results only apply to the items tested.
3. The extraction conditions and the limit requirement was specified by the client.
4. The ratio of sample migration experimental area to migration solution volume (mass): S/V=6 dm^2/L(kg).

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3. FDA GRAS

3.1. Total Chromium(Cr)[FDA GRAS]

Test Method: with reference to US EPA Method 3050B:1996 & EPA Method 6010D:2018, analyzed by ICP-OES.

Test Item(s)	RL (%)	Test result(s) (%)	Limit(s) (%)	Conclusion(s)
		003		
Chromium(Cr)	0.01	17.09	≥16	**PASS**

Remark(s):

1. "<"=Below; RL=Report limit; 1ppm=1mg/kg=0.0001%

4. US FDA 21 CFR 177.2480 Polyoxymethylene homopolymer

4.1. Density [US FDA 21 CFR 177.2480]

Test Method: With reference to ASTM D1505-18.

Test Item(s)	Test result(s)(g/cm^3)	Limit(s)(g/cm^3)
	004	
Density	1.41	1.39-1.44
Conclusion(s)	**PASS**	—

4.2. Melting point (MP)[US FDA 21 CFR 177.2480]

Test Method: With reference to ASTM D2133-66.

Test Item(s)	Test result(s)(℃)	Limit(s)(℃)
	004	
Melting point(MP)	179	172-184
Conclusion(s)	**PASS**	—

4.3. Chloroform extractable extractives[US FDA 21 CFR 177.2480]

Test Method: with reference to US FDA 21 CFR 177.2480(c)

Test Item(s)	RL ($mg/inch^2$)	Test result(s) ($mg/inch^2$)	Limit(s) ($mg/inch^2$)	Conclusion(s)
		004		
Chloroform extractable extractives (Distilled water, 120℉, 2h)	0.1	< 0.1	0.5	**PASS**

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Chloroform extractable extractives (8% ethanol, 120℉, 2h)	0.1	< 0.1	0.5	**PASS**

Remark(s):

1. "<"=Below; RL=Report limit;℉=Fahrenheit degree.
2. The test results only apply to the items tested.
3. The extraction conditions and the limit requirement was specified by the client.
4. The ratio of sample migration experimental area to migration solution volume (mass): S/V=6 dm^2/L(kg).

********** End of Report **********

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