

# Test Report

No. CANAF1919479704

Date: 25 Oct 2019

Page 1 of 5

SHENZHEN HUANAN XINHAI DRIVE MACHINE CO.,LTD.

F8, BLDG A3, LONGGANG INNOVATIVE SOFTWARE PARK NO.31 BULAN ROAD, LILANG, SHENZHEN, CHINA(518112)

The following sample(s) was/were submitted and identified on behalf of the clients as : Plastic Modular Conveyor Belt (POM)

SGS Job No. : GZAFF1910019057S - GZ  
 Manufacturer : SHENZHEN HUANAN XINHAI DRIVE MACHINE CO.,LTD.  
 Date of Sample Received : 08 Oct 2019  
 Testing Period : 08 Oct 2019 - 25 Oct 2019  
 Test Requested : Selected test(s) as requested by client.  
 Test Method : Please refer to next page(s).  
 Test Results : Please refer to next page(s).

## Result Summary :

Test Requested	Conclusion
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Overall migration	PASS
German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments–Sensorial examination odour and taste test	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments – Specific Migration of Formaldehyde	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Specific Migration of Heavy Metal	PASS

Signed for and on behalf of  
 SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

*Amy Ye*

Amy Ye  
 Approved Signatory



SGS-CSTC Standards Technical Services Co., Ltd.  
 Guangzhou Branch Testing Center Chemical Laboratory.

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# Test Report

No. CANAF1919479704

Date: 25 Oct 2019

Page 2 of 5

Test Results :

## Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN19-194797.002	White plastic	POM

## Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Overall migration

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods;  
or EN 1186-3:2002 aqueous food simulants by total immersion method;  
or EN 1186-14:2002 substitute test.

Simulant Used	Time	Temperature	Max. Permissible Limit	Result of 002 Overall Migration	Comment
3% Acetic Acid (W/V) Aqueous Solution	240.0hr(s)	40°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS
10% Ethanol (V/V) Aqueous Solution	240.0hr(s)	40°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS
95% Ethanol	240.0hr(s)	40°C	10mg/dm <sup>2</sup>	4.6mg/dm <sup>2</sup>	PASS
Isooctane	48.0hr(s)	20°C	10mg/dm <sup>2</sup>	8.9mg/dm <sup>2</sup>	PASS

Notes :

1. mg/dm<sup>2</sup> = milligram per square decimeter  
mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. Analytical tolerance of aqueous simulants is 2mg/dm<sup>2</sup> or 12mg/kg
4. Analytical tolerance of fatty food simulants is 3mg/dm<sup>2</sup> or 20mg/kg

## German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments–Sensorial examination odour and taste test

Test Method : With reference to DIN10955:2004,direct contact method.  
No.of panelist:6

Test Item(s)	Limit	002
Test media	-	Distilled water
Test Temperature (°C)	-	40
Test time (hr)	-	24
Sensorial examination odour (Point scale)	2.5	0.0



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## Test Report

No. CANAF1919479704

Date: 25 Oct 2019

Page 3 of 5

Test Item(s)	Limit	002
Sensorial examination taste (Point scale)	2.5	0.0
Comment		PASS

### Notes :

Intensity scale (rounded at 0.5):

- 0 – no perceptible difference
- 1 – just perceptible difference
- 2 – slight difference
- 3 – marked difference
- 4 – strong difference

### Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments –Specific Migration of Formaldehyde

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 13130-1:2004 for selection of test method, analysis was performed by UV-Vis.

### Sample 002

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 40 °C 24.0 hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	3rd
Area/Volume	-	dm <sup>2</sup> /kg	-	6.0
Specific migration of Formaldehyde	15	mg/kg	0.1	0.6
Comment				PASS

### Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND= Not Detected(less than MDL)

### Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments–Specific Migration of Heavy Metal

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN13130-1:2004 for selection of test method, analysis was performed by ICP-OES.



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## Test Report

No. CANAF1919479704

Date: 25 Oct 2019

Page 4 of 5

### Sample 002

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 40 °C 24.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	3rd
Area/Volume	-	dm <sup>2</sup> /kg	-	6.0
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	5	mg/kg	0.5	ND
Aluminum	1	mg/kg	0.1	ND
Nickel	0.02	mg/kg	0.01	ND
<b>Comment</b>				<b>PASS</b>

### Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND = Not Detected(less than MDL)
5. The limits of nickel according to Commission Regulation (EU) 2017/752 shall be applied from 19 May 2019.





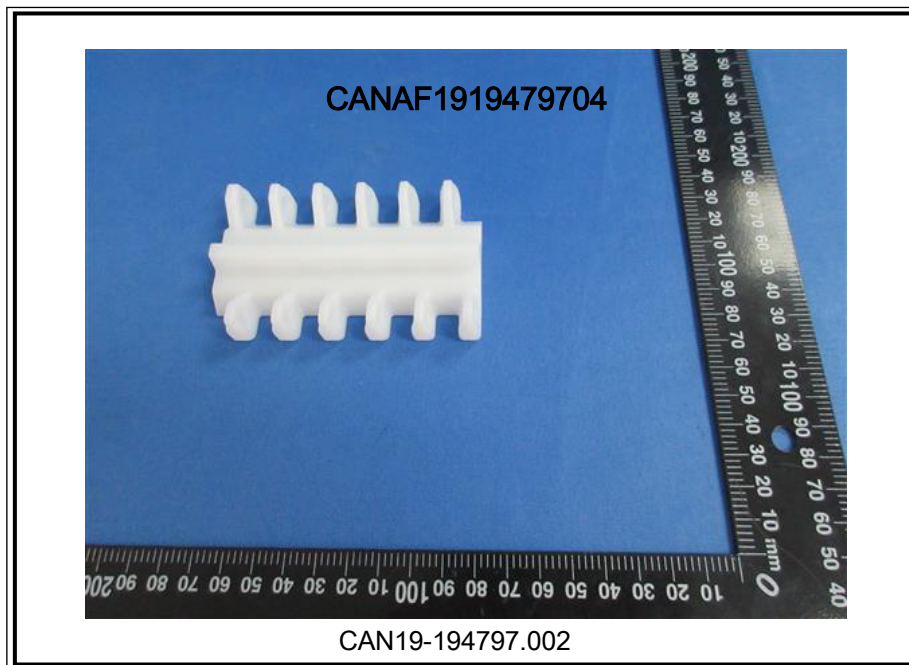
## Test Report

No. CANAF1919479704

Date: 25 Oct 2019

Page 5 of 5

Sample photo:



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