

Test Report

No. CANAF2007411203

Date: 01 Jun 2020

Page 1 of 6

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(PA6)

SGS Job No. : GZF20-008476 - GZ
 Internal Reference No. : /
 Manufacturer : SHENZHEN HUANAN XINHAI DRIVE MACHINE CO., LTD.
 Date of Sample Received : 18 May 2020
 Testing Period : 18 May 2020 - 27 May 2020
 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
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Overall migration	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments –Specific Migration of Caprolactam	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Commission Regulation (EU) No 10/2011 of 14 January 2011 and Commission Regulation (EU) No 284/2011 of 22 March 2011 – Specific Migration of Primary Aromatic Amine	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments–Specific Migration of Heavy Metal	PASS
Verification for label claim validity - Bisphenol A free by Total Content of Bisphenol A	PASS



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

Ivy Ren
Approved Signatory



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Test Report

No. CANAF2007411203

Date: 01 Jun 2020

Page 3 of 6

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN20-074112.001	Lt-cyan plastic	PA6

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004,
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;

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001 Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	100°C	10mg/dm ²	<3.0mg/dm ²	PASS

Notes :

1. mg/dm² = 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/dm² or 12mg/kg
4. Analytical tolerance of fatty food simulants is 3mg/dm² or 20mg/kg
5. Report the third migration result

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004,
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments –Specific Migration of
Caprolactam**

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 GC-MS.

Sample 001

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

Test Condition : 100 °C 4.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
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Test Report

No. CANAF2007411203

Date: 01 Jun 2020

Page 4 of 6

Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of Caprolactam	15	mg/kg	5	11
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)

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004.
Commission Regulation (EU) No 10/2011 of 14 January 2011 and Commission Regulation (EU) No 284/2011 of 22 March 2011 – Specific Migration of Primary Aromatic Amine

Test Method : With reference to EN13130-1:2004, analysis was performed by LC-MS-MS.

Sample 001

Simulant Used : 3% Acetic acid (W/V) aqueous solution

Test Condition : 100 °C 4.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
	<u>Limit</u>			
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
2,4,5-Trimethylaniline(2,4,5-TMA)	-	mg/kg	0.002	ND
2,4-Dimethylaniline(2,4-DMA)	-	mg/kg	0.002	ND
2,4-Toluediamine(2,4-TDA)	-	mg/kg	0.002	ND
2,6-Dimethylaniline(2,6-DMA)	-	mg/kg	0.002	ND
2,6-Toluediamine(2,6-TDA)	-	mg/kg	0.002	ND
2-Methoxy-5-Methylaniline(2-M-5-MA)	-	mg/kg	0.002	ND
3,3-Dimethylbenzidine(3,3-DMB)	-	mg/kg	0.002	ND
4,4-Diaminodiphenylether(4,4-DPE)	-	mg/kg	0.002	ND
4,4'-Methylenedianiline(4,4-MDA)	-	mg/kg	0.002	ND
4,4-Methylenedi-o-toluidine(4,4-MDoT)	-	mg/kg	0.002	ND
4-Aminobiphenyl(4-ABP)	-	mg/kg	0.002	ND
4-Chloro-Aniline(4-CA)	-	mg/kg	0.002	ND
4-Chloro-o-Toluidine(4-CoT)	-	mg/kg	0.002	ND
Aniline(ANL)	-	mg/kg	0.002	ND
4-Methoxy-mphenylenediamine(4-M-mPDA)	-	mg/kg	0.002	ND
Benzidine(BNZ)	-	mg/kg	0.002	ND



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Test Report

No. CANAF2007411203

Date: 01 Jun 2020

Page 5 of 6

m-Phenylenediamine((m-PDA)	-	mg/kg	0.002	ND
o-Anisidine(o-ASD)	-	mg/kg	0.002	ND
o-Toluidine(O-T)	-	mg/kg	0.002	ND
p-Phenylenediamine(p-PDA)	-	mg/kg	0.002	ND
Total	0.01	mg/kg	0.002	ND
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

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004,
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.

Sample 001

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

Test Condition : 100 °C 4.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /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
Comment				PASS

Notes :



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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)

Verification for label claim validity - Bisphenol A free by Total Content of Bisphenol A

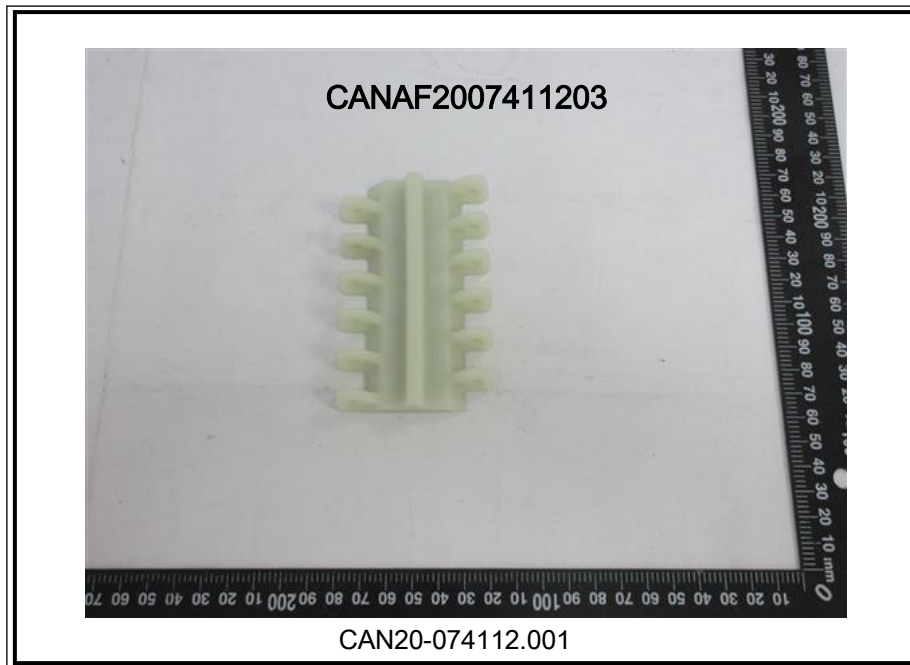
Test Method : With reference to Part II Section D2 of Testing Methods for Foodstuffs, Implements, Containers and Packaging, Toys, Detergents, JETRO, Japan External Trade Organization, 2009 (Dichloromethane extraction by ultrasonic bath). Analysis was performed by HPLC-MS

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Total content of Bisphenol A	mg/kg	0.1	ND
Comment			PASS

Notes :

1. mg/kg = milligram per kilogram
2. MDL=Method Detection Limit
3. ND= Not Detected(less than MDL)

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

