

Test Report

No. SHAHG1917122501

Date: 29 Aug 2019

Page 1 of 5

DONGGUAN WINDECO LIMITED
RUI HUA ROAD,HENGLI TOWN,DONGGUAN CITY

The following sample(s) was/were submitted and identified on behalf of the clients as : HPL HIGH PRESSURE LAMINATE

SGS Job No. : SHHL1907037820CW - SH
 Manufacturer : DONGGUAN WINDECO LIMITED
 Country of Origin : CHINA
 Date of Sample Received : 02 Aug 2019
 Testing Period : 02 Aug 2019 - 29 Aug 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
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Specific migration of melamine	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 and Commission Regulation (EU) No 284/2011 of 22 March 2011-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 (Shanghai) Co., Ltd.

Lucia Liu

Lucia Liu
Approved Signatory



SHAHG1917122501



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Test Report

No. SHAHG1917122501

Date: 29 Aug 2019

Page 2 of 5

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA19-171225.001	White/green plastic sheet	Melamine

Remarks :

- (1) mg/dm² = milligram per square decimeter
- (2) mg/kg = milligram per kilogram
- (3) °C= degree Celsius
- (4) < = less than
- (5) MDL = Method Detection Limit
- (6) ND = Not Detected (< MDL)

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;
EN 1186-3: 2002 aqueous food simulants by total immersion method;
EN 1186-14: 2002 substitute test;

Simulant Used	Time	Temperature	Max. Permissible Limit	Result of 001 Overall migration	Conclusion
10% Ethanol (V/V) aqueous solution	2.0hr(s)	70°C	10mg/dm ²	<3.0mg/dm ²	PASS
3% Acetic acid (W/V) aqueous solution	2.0hr(s)	70°C	10mg/dm ²	<3.0mg/dm ²	PASS
95% Ethanol	2.0hr(s)	60°C	10mg/dm ²	<3.0mg/dm ²	PASS
Isooctane	0.5hr(s)	40°C	10mg/dm ²	<3.0mg/dm ²	PASS

Notes :

- (1) Analytical tolerance of aqueous simulants is 2 mg/dm² or 12 mg/kg.
- (2) Analytical tolerance of fatty food simulants is 3 mg/dm² or 20mg/kg.
- (3) Test condition & simulant were specified by client.
- (4) The test data is obtained by considering the articles intended for repeated use as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V. Report the 3rd extractive result.

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SHCM 6377849

Test Report

No. SHAHG1917122501

Date: 29 Aug 2019

Page 3 of 5

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Specific migration of melamine

Test Method : With reference to EN 13130-1: 2004, analysis was performed by LC-MS-MS.

Sample 001

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

Test Condition : 40 °C 1.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	Third
Area/volume	-	dm ² /kg	-	6.0
Specific migration of Melamine	2.5	mg/kg	2.0	ND
Conclusion				PASS

Notes :

- (1) Test condition & simulant were specified by client.

Commission Regulation (EU) No 10/2011 of 14 January 2011 and Commission Regulation (EU) No 284/2011 of 22 March 2011-Specific migration of formaldehyde

Test Method : With reference to EN 13130-1: 2004, analysis was performed by UV-Vis.

Sample 001

Test Condition : 70 °C 2.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	Third
Area/volume	-	dm ² /kg	-	6.0
Specific migration of formaldehyde	15	mg/kg	0.1	4.4
Conclusion				PASS

Notes :

- (1) Test condition was referred to EU JRC guideline EUR 24815 EN 2011, in support of Commission Regulation (EU) No 284/2011 of 22 March 2011.
- (2) The test is performed in triplicate as per EU JRC guidelines EUR 24815 EN 2011, in support of Commission Regulation (EU) No 284/2011 of 22 March 2011. The highest value among 3 trial results is reported.

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SHCM 6377850



Test Report

No. SHAHG1917122501

Date: 29 Aug 2019

Page 4 of 5

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Specific migration of heavy metal

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

Sample 001

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

Test Condition : 40 °C 1.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	Third
Area/volume	-	dm ² /kg	-	6.0
Aluminium(Al)	1	mg/kg	0.1	ND
Barium(Ba)	1	mg/kg	0.25	ND
Cobalt(Co)	0.05	mg/kg	0.01	ND
Copper(Cu)	5	mg/kg	0.25	ND
Iron(Fe)	48	mg/kg	0.25	ND
Lithium(Li)	0.6	mg/kg	0.5	ND
Manganese(Mn)	0.6	mg/kg	0.25	ND
Zinc(Zn)	5	mg/kg	0.5	ND
Nickel(Ni)	0.02	mg/kg	0.02	ND
Conclusion				PASS

Notes :

(1) Test condition & simulant were specified by client.

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SHCM 6377851



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Test Report

No. SHAHG1917122501

Date: 29 Aug 2019

Page 5 of 5

Sample photo:



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