

Test Report

No. SHAFD1901960505

Date: 03 Feb 2019

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Shanghai SUNKEA Packaging Co.,Ltd.

Buliding #6,No.1366 Qixin Road,Minhang District,Shanghai,China

The following sample(s) was/were submitted and identified on behalf of the clients as : Kraft board food container

SGS Job No. : O-SHAFL201900070155 ASH19-004923 - SH
 Date of Sample Received : 28 Jan 2019
 Testing Period : 28 Jan 2019 - 03 Feb 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 heavy metal	PASS

Signed for and on behalf of
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Dora Hu

Dora Hu
 Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA19-019605.003	Brown coated paper container	PE

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 1186-9: 2002 aqueous food simulants by article filling method;
EN 1186-14: 2002 substitute test;

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 003 Overall migration</u>	<u>Conclusion</u>
3% Acetic acid (W/V) aqueous solution	1.0hr(s)	100°C	10mg/dm ²	<3.0mg/dm ²	PASS
50% Ethanol (V/V) aqueous solution	1.0hr(s)	100°C	10mg/dm ²	<3.0mg/dm ²	PASS
95% Ethanol	3.0hr(s)	60°C	10mg/dm ²	<3.0mg/dm ²	PASS
Isooctane	1.0hr(s)	60°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.



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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 003

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

Test Condition : 100 °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	-	-	-	First
Area/volume	-	dm ² /kg	-	4.6
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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*** End of Report ***

