





中国认可 国际互认 TESTING **CNAS L0604**

Test Report

No. QDF18-024491-02

Date:30 Aug 2018

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PASS

Henan Okay Plastic Industry Co., Ltd.

Tengfei Avenue, Yigou Town, Tangyin County, Anyang City, Henan Province, China.

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

SGS Job No.: TAOFD1803731001

High Density Polyethylene Sheet Sample Name:

10 Aug 2018 Date of Sample Received:

Testing Period: 10 Aug 2018 - 30 Aug 2018

Selected test(s) as requested by client. Test Requested:

Test Method: Please refer to next page(s). Test Results: Please refer to next page(s).

Result Summary:

Conclusion **Test Requested**

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments **PASS**

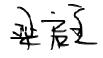
-Overall migration

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments

-Specific migration of heavy metal

English shall prevail in this report.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, and for clients internal use only, not to the society has the proof function. This document cannot be used for publicity, without prior approval of the SGS.



SGS Authorized Signature



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Test Results:

Test Part Description:

Specimen No. **SGS Sample ID** Description Material (claimed by the client)

QDF18-024491.001 SN1 White HDPE sheet

> (High Density Polyethylene Sheet) **HDPE**

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

Test Method: 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	<u>Time</u>	<u>Temperature</u>	Max. Permissible	Result of 001	Conclusion
			<u>Limit</u>	Overall Migration	
10% Ethanol (V/V) Aqueous	240.0hr(s)	40°C	10mg/dm ²	<3.0mg/dm ²	PASS
Solution					
3% Acetic Acid (W/V)	240.0hr(s)	40℃	10mg/dm ²	<3.0mg/dm ²	PASS
Aqueous Solution					
95% Ethanol (V/V) Aqueous	240.0hr(s)	40°C	10mg/dm ²	5.5mg/dm ²	PASS
Solution (Rectified Olive Oil					
Substitute)					
Isooctane (Rectified Olive O	il 48.0hr(s)	20°C	10mg/dm ²	8.2mg/dm ²	PASS
Substitute)					

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.

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

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

Sample 001

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

Test Condition: 60°C 240.0hr(s)

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Test Item(s)		Max. Permissible Limit	<u>Unit</u>	<u>MDL</u>	Test result
Migration times		-	-	-	First
Area/volume		-	dm²/kg	-	6.0
Aluminium		1	mg/kg	0.1	ND
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
Nickel		0.02	mg/kg	0.01	ND
Zinc		5	mg/kg	0.5	ND
Conclusion					PASS

Notes: Test condition & simulant were specified by client.

Remark: ND=Not detected.

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



spection & Testing Services

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