

Test Report

No. SHAEC1725390303

Date: 29 Nov 2017

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ZHONG RUI ANODE INDUSTRIAL TECHNOLOGY CO,LTD

XIAO HE INDUSTRY DISTRICT , DAO JIAO TOWN DONG GUAN CITY

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

SGS Job No. : CP17-062082 - SZ
 Date of Sample Received : 20 Nov 2017
 Testing Period : 20 Nov 2017 - 29 Nov 2017
 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).

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

Marry Ma

Marry Ma
 Approved Signatory



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Result Summary :

Test Requested	Comments
GB 4806.7-2016-Decolor test	PASS
GB4806.7-2016-Sensory (Appearance: Normal color, no smell, no impurity)	PASS
GB4806.7-2016-Sensory (Marinate: No turbidity, no precipitate, no smell, or other sensory deterioration)	PASS
Specific migration of 2,2-Bis (4-hydroxyphenol) propane (bisphenol A)	See Results
Specific migration of Phthalates	See Results
GB 4806.7-2016-Overall migration	PASS
GB 4806.7-2016-Consumption of Potassium Permanganate	PASS
GB 4806.7-2016-Heavy metal (as Pb)	PASS



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA17-253903.001	Beige plastic sheet	PTFE

Remarks :

- (1) mg/kg = miligram per kilogram
- (2) % = percentage of weight by weight
- (3) °C= degree Celsius
- (4) RL = Report Limit
- (5) ND = Not Detected (< RL)
- (6) < = less than

GB 4806.7-2016-Decolor test

Test Method : GB 31604.7-2016.

Test Item(s)	Limit	001
The color of absorbent cotton(Absolute ethyl alcohol)	★	Negative
The color of absorbent cotton(Vegetable oil)	★	Negative
Decolor test in Marinade	★	Negative
Comment		Pass

Notes :

- (1) ★= Negative =No color release
- (2) Positive= Color release

Specific migration of 2,2-Bis (4-hydroxyphenol) propane (bisphenol A)

Test Method : GB31604.10-2016.

Simulant Used : 10% Ethanol (V/V)

Test Condition : 100 °C 2.0 hr(s)

Test Item(s)	Unit	RL	001
Migration times	-	-	Third
Area/Volume	dm ² /kg	-	6.0
Specific migration of 2,2-Bis (4-hydroxyphenol) propane (bisphenol A)	mg/L	0.01	ND



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Notes :

- (1) Test condition & simulant were specified by client.
- (2) The test results of Specific migration of 2,2-Bis (4-hydroxyphenol) propane (bisphenol A) are taken from report SHAEC1723524401.

Specific migration of Phthalates

Test Method : GB 31604.30-2016.

Simulant Used : 10% Ethanol (V/V)

Test Condition : 100 °C 2.0 hr(s)

Test Item(s)	CAS NO.	Unit	RL	001
Migration_times		-	-	First
Area_volume		dm ² /kg	-	6.0
Dimethyl phthalate (DMP)	131-11-3	mg/kg	0.1	ND
Diethyl phthalate (DEP)	84-66-2	mg/kg	0.1	ND
Diallyl phthalate (DAP)	131-17-9	mg/kg	0.01	ND
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	0.1	ND
Dibutyl phthalate (DBP)	84-74-2	mg/kg	0.1	ND
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	mg/kg	0.1	ND
Bis(4-methyl-2-pentyl) phthalate (BMPP)	146-50-9	mg/kg	0.1	ND
Bis(2-ethoxyethyl) phthalate (DEEP)	605-54-9	mg/kg	0.1	ND
Dipentyl phthalate (DPP)	131-18-0	mg/kg	0.1	ND
Dihexyl phthalate (DHXP)	84-75-3	mg/kg	0.1	ND
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	0.1	ND
Bis(2-n-butoxyethyl) phthalate (DBEP)	117-83-9	mg/kg	0.1	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	0.1	ND
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	0.1	ND
Diphenyl phthalate (DPhP)	84-62-8	mg/kg	0.1	ND
Di-n-octyl phthalate (DNOP)	117-84-0	mg/kg	0.1	ND
Diisononyl phthalate (DINP)	28553-12-0	mg/kg	0.1	ND
Dinonyl phthalate (DNP)	84-76-4	mg/kg	0.1	ND

Notes :

- (1) Test condition & simulant were specified by client.
- (2) The test results of Specific migration of Phthalates are taken from report SHAEC1723524401.



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GB 4806.7-2016-Overall migration

Test Method : GB 31604.8-2016.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Limit</u>	<u>Unit</u>	<u>RL</u>	<u>001</u>	<u>Comment</u>
Distilled water	2.0 hr(s)	70 °C	10	mg/dm ²	3.0	3.9	PASS

Notes :

- (1) Test condition & simulant were specified by client.
- (2) mg/dm² = milligram per square decimeter
- (3) The test data is obtained by considering the articles intended for repeated use as per described in GB31604.1-2015. Report the 3rd extractive result.

GB 4806.7-2016-Consumption of Potassium Permanganate

Test Method : GB 31604.2-2016.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Limit</u>	<u>Unit</u>	<u>RL</u>	<u>001</u>	<u>Comment</u>
Distilled water	2.0 hr(s)	60 °C	10	mg/kg	1.0	1.7	PASS

Notes :

- (1) The test data is obtained by considering the articles intended for repeated use as per described in GB31604.1-2015. Report the 3rd extractive result.

GB 4806.7-2016-Heavy metal (as Pb)

Test Method : GB 31604.9-2016 method I.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Limit</u>	<u>Unit</u>	<u>RL</u>	<u>001</u>	<u>Comment</u>
4% Acetic acid (V/V)	2.0 hr(s)	60 °C	1	mg/kg	1.0	Negative	PASS

Notes :

- (1) Negative = Not Detected (less than RL)
- (2) Positive = Detected



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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



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