

Test Report

No. SHAHG1726832501

Date: 20 Dec 2017

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MAPED SAS

530, ROUTE DE PRINGY 74370 ARGONAY, FRANCE

The following sample(s) was/were submitted and identified on behalf of the clients as : 872101-ORIGINS KID LUNCH BAG PINK; 872102-ORIGINS KID LUNCH BAG TURQUOISE; 872103-ORIGINS KID LUNCH BAG RED; 872104-ORIGINS KID LUNCH BAG BLUE-GREEN

SGS Job No. : SHHL1712070220CW - SH
 Style No. : 8721-ORIGINS KID LUNCH BAG
 Item No. : 872101-ORIGINS KID LUNCH BAG PINK; 872102-ORIGINS KID LUNCH BAG TURQUOISE; 872103-ORIGINS KID LUNCH BAG RED; 872104-ORIGINS KID LUNCH BAG BLUE-GREEN
 Manufacturer : MAPED SAS
 Supplier : F410788
 Country of Origin : CHINA
 Country of Destination : ALL COUNTRIES
 Date of Sample Received : 05 Dec 2017
 Testing Period : 05 Dec 2017 - 20 Dec 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).

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 phthalates	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Specific migration of vinyl acetate	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Specific migration of primary aromatic amine	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Specific migration of heavy metal	PASS



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



Serena Wang
Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA17-268325.001	Silvery grey plastic film	PEVA

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 1186-2: 2002 olive oil 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>Conclusion</u>
3% Acetic acid (W/V) aqueous solution	240.0hr(s)	40°C	10mg/dm ²	<3.0mg/dm ²	PASS
Rectified olive oil	240.0hr(s)	40°C	10mg/dm ²	8.7mg/dm ²	PASS
50% Ethanol (V/V) aqueous solution	240.0hr(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.

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

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

Sample 001



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Simulant Used : 95% Ethanol
 Test Condition : 60 °C 24.0 hr(s)

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times		-	-	-	First
Area/volume		-	dm ² /kg	-	6.0
Dibutyl Phthalate(DBP)	84-74-2	0.3	mg/kg	0.05	ND
Benzylbutyl Phthalate(BBP)	85-68-7	30	mg/kg	0.05	ND
Di (2-ethylhexyl) Phthalate(DEHP)	117-81-7	1.5	mg/kg	0.05	ND
Diisononyl phthalate + Diisodecyl phthalate (DINP + DIDP)	-	9	mg/kg	0.2	ND
Diallyl Phthalate (DAP)	131-17-9	0.01	mg/kg	0.01	ND
Conclusion					PASS

Sample 001

Simulant Used : Isooctane
 Test Condition : 40 °C 6.0 hr(s)

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times		-	-	-	First
Area/volume		-	dm ² /kg	-	6.0
Dibutyl Phthalate(DBP)	84-74-2	0.3	mg/kg	0.05	ND
Benzylbutyl Phthalate(BBP)	85-68-7	30	mg/kg	0.05	ND
Di (2-ethylhexyl) Phthalate(DEHP)	117-81-7	1.5	mg/kg	0.05	ND
Diisononyl phthalate + Diisodecyl phthalate (DINP + DIDP)	-	9	mg/kg	0.2	ND
Diallyl Phthalate(DAP)	131-17-9	0.01	mg/kg	0.01	ND
Conclusion					PASS

Notes :

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

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

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

Sample 001



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Simulant Used : 3% Acetic acid (W/V) aqueous solution
 Test Condition : 70 °C 24.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>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 vinyl acetate	12	mg/kg	1	ND
Conclusion				PASS

Notes :

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

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

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

Sample 001

Simulant Used : 3% Acetic acid (W/V) aqueous solution
 Test Condition : 70 °C 24.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	First
Area/volume	-	dm ² /kg	-	6.0
Specific migration of primary aromatic amine	0.01	mg/kg	0.002	ND
Conclusion				PASS

Notes :

(1) 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 : 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 : 70 °C 24.0 hr(s)



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<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>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
Conclusion				PASS

Notes :

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



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