



Test Report

No.: QDFDO130301242FDE

Date: Apr 02, 2013

Client name:
Client address:

The following sample(s) was/were submitted by/ on behalf of the client as (except SGS reference No. & SGS job No. & Date of receipt & Testing period):

Code	SGS job No.	Sample name	Batch No./Date	Manufacture
#1	QDFDO130301242FD	Ziplock bag	--	

SGS reference No.: SHAFD1303884301

Date of receipt: Mar 15, 2013

Testing period: Mar 18, 2013 ~ Mar 29, 2013

TEST(S) REQUESTED:

Selected test(s) as requested by applicant:

- 1) As specified for client, to determine extractable fraction in n-hexane for compliance with the Food and Drug Administration (FDA) Regulations for polyethylene used in article that contact with food except for articles used for packing or holding food during cooking.
- 2) As specified for client, to determine Soluble fraction in xylene for compliance with the Food and Drug Administration (FDA) Regulations for polyethylene used in article that contact with food except for articles used for packing or holding food during cooking.
- 3) As specified for client, to determine density at 23°C for compliance with the Food and Drug Administration (FDA) Regulations for polyethylene used in article that contact with food except for articles used for packing or holding food during cooking.

TEST METHOD(S):

Please refer to next page.

TEST RESULT(S):

Please refer to next page.

RESULT SUMMARY:

Test Requested	Conclusion
FDA 21 CFR 177.1520- Extractable fraction in n-hexane	PASS
FDA 21 CFR 177.1520- Soluble fraction in xylene	PASS
FDA 21 CFR 177.1520-Density at 23°C	PASS

Remark:

1. The results shown in this test report refer only to the sample(s) tested, and for clients internal use only.
2. The test was carried out by a SGS laboratory.
3. %(w/w) = percentage of weight by weight

Signed for and on behalf of SGS



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QDFD

TEST METHOD(S):

- 1) With reference to FDA 21 CFR 177.1520.
- 2) With reference to FDA 21 CFR 177.1520.
- 3) With reference to FDA 21 CFR 177.1520d(1) or ASTM D792:2008

TEST RESULT(S):

- 1) FDA 21 CFR 177.1520- Extractable fraction in n-hexane

Simulant Used	Max. Permissible	Test Result(s)	Comment
Extractable fraction in n-hexane at 50°C, w/w %	5.5	3.1	PASS

- 2) FDA 21 CFR 177.1520- Soluble fraction in xylene

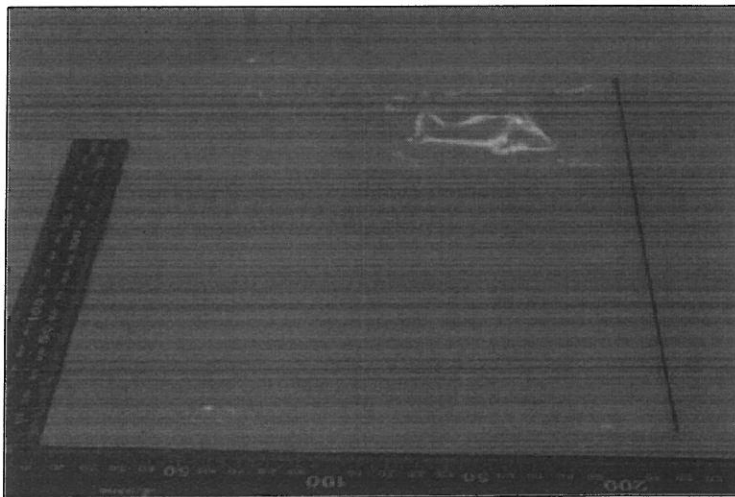
Simulant Used	Max. Permissible	Test Result(s)	Comment
Soluble fraction in xylene at 25°C, w/w %	11.3	1.9	PASS

- 3) FDA 21 CFR 177.1520-Density at 23°C

Test Item(s)	Limit	Test Result(s)	Comment
Density at 23°C, g/ cm ³	0.85 - 1.00	0.92	PASS

Sample description: Transparent valve bag

Sample photo



*** End of Report***



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The following sample(s) was/were submitted and identified on behalf of the clients as : LDPE RECLOSABLE BAG,ZIPLOCK BAG

SGS Job No. : QDHG201404189 - QD
 Date of Sample Received : 06 Nov 2014
 Testing Period : 06 Nov 2014 - 12 Nov 2014
 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
Overall migration	PASS
Specific migration of heavy metal	PASS

Conclusion : The tested parameters comply with the requirements stated in Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments and Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004.

Signed for and on behalf of
 SGS-CSTC Ltd.

Wang Bo, Claire
 Approved Signatory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	TAO14-044078.001	Inside part of white/blue printed plastic bag	LDPE

Overall migration

Test Requested : In accordance with Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments, to determine overall migration.

Test Method : With reference to EN1186-1:2002 for selection of conditions and test method; or EN 1186-9: 2002 aqueous food simulants by article filling method;

Simulant Used	Time	Temperature	Max. Permissible Limit	Result of 001 Overall Migration
20% Ethanol (V/V) Aqueous Solution	1.0hr	20°C	10mg/dm ²	<3.0mg/dm ²

Notes :

- (1) Analytical tolerance of aqueous simulants is 1 mg/dm² or 6 mg/kg.
- (2) Analytical tolerance of fatty food simulants is 3 mg/dm² or 20 mg/kg.
- (3) Test condition & simulant were specified by client.

Specific migration of heavy metal

Test Requested : In accordance with Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments, to determine specific migration of heavy metal.

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

Sample 001

Simulant Used : Deionized water

Test Condition : 20 °C 1.0 hr

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND



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Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	25	mg/kg	0.5	ND

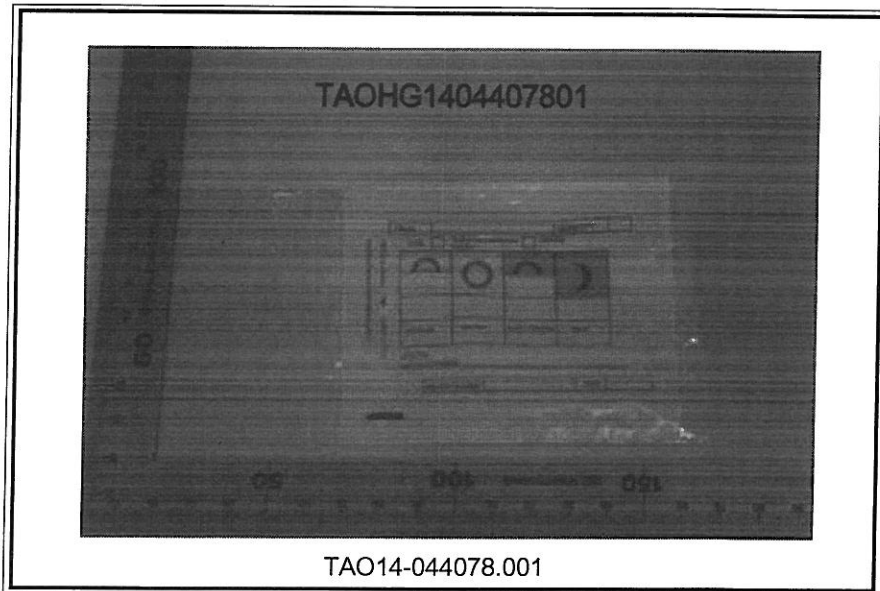
Notes :

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

Remark:

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

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



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Qingdao Environmental Laboratory

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