

Test Report

No. TSNEC1200770501

Date: 20 Aug 2012

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PANJIN ZHONGRUN HIGH PERFORMANCE POLYMER CO.,LTD.

PANJIN CITY ,LIAONING PROVINCE,CHINA P.R

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

SGS Job No. : TP12-007700 - TJ

Date of Sample Received : 13 Aug 2012

Testing Period : 13 Aug 2012 - 20 Aug 2012

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).

Conclusion : When tested as specified, the tested parameters comply with the requirements stated in Commission Regulation (EU) No 10/2011 of 14 January 2011 and Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on plastic materials and articles intended to come into contact with food.

Signed for and on behalf of
SGS-CSTC Ltd.



Reabeca Zhou
Approved Signatory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
1	TSN12-007705.001	gray plastic

Overall migration

Test Requested : To determine the Overall Migration for compliance with Commission Regulation (EU) No 10/2011 of 14 January 2011 and Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on plastic materials and articles intended to come into contact with food.

Test Method : With reference to EN1186-1:2002 for selection of conditions and test method;
or EN1186-3:2002 aqueous food simulants by total immersion method;
or EN1186-14:2002 substitute test

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001 Overall Migration</u>
Deionized Water	4.0hr	100°C	10 mg/dm ²	<3.0mg/dm ²
3% Acetic Acid (W/V) Aqueous Solution	4.0hr	100°C	10 mg/dm ²	<3.0mg/dm ²
50% Ethanol (V/V) Aqueous Solution	4.0hr	100°C	10 mg/dm ²	<3.0mg/dm ²
95% Ethanol (V/V) Aqueous Solution (Rectified Olive Oil Substitute)	6.0hr	60°C	10 mg/dm ²	<3.0mg/dm ²
Isooctane (Rectified Olive Oil Substitute)	4.0hr	60°C	10 mg/dm ²	<3.0mg/dm ²

Notes :

- (1) mg/dm² = milligram per square decimeter
- (2) °C=degree Celsius
- (3) <=less than
- (4) Analytical tolerance of aqueous simulants is 1 mg/dm²
- (5) Analytical tolerance of fatty food simulants is 3 mg/dm²
- (6) Test condition & simulant were specified by client.

Specific Migration of Heavy Metal

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Test Requested : To determine the Specific Migration of Heavy Metal for compliance with Commission Regulation (EU) No 10/2011 of 14 January 2011 and Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on plastic materials and articles intended to come into contact with food.

Test Method : Sample preparation 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 : 100 °C 4.0 hr

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test Result</u>
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.05	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
Zinc	25	mg/kg	0.5	ND

Notes :

- (1) mg/kg = milligram per kilogram
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) Test condition & simulant were specified by client.

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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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