

**CEC PLASTIC SDN BHD**  
**NO. 1 & 3, JALAN SERI PAGI 3,**  
**TAMAN PERDAGANGAN SERI PAGI, SUNGAI CHOH,**  
**48200, RAWANG, SELANGOR DARUL EHSAN.**

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

**Plastic Microwaveable PP Round Container**  
**Size: 4oz, 8oz, 10oz, 12oz, 16oz, 20oz, 25oz, 30oz, 850ml, 1000ml**

SGS Job No. : SAT/18/1289 – CEC Plastic Sdn Bhd  
 Date of Sample Received : 03<sup>rd</sup> Dec 2018  
 Testing Period : 03<sup>rd</sup> Dec 2018 – 24<sup>th</sup> Dec 2018

Test Requested : Please refer to the results summary

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

Result Summary :

Test Requested	Conclusion
<b>Commission Regulation (EU) No 10/2011 and hence Article 3 of European Regulation No. 1935/2004.</b>	
a) Plastic – Overall Migration	<b>PASS</b>
b) Plastic – Specific Migration of Heavy Metals	<b>PASS</b>

SIGNED FOR AND ON BEHALF OF  
 SGS (MALAYSIA) SDN BHD



CHEE TUCK CHOON  
 SECTION HEAD  
 IKM No. M/3983/6401/12/14

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## Test Results:

## Testing as per Commission Regulation (EU) No 10/2011

a) Plastic – Overall Migration

Method: With reference to EN 1186-1:2002 for selection of conditions and test methods;  
EN 1186-9:2002 aqueous food simulants by article filling method (1<sup>st</sup> Migration);  
EN 1186-14:2002 substitute test.

Simulant Used	Test Condition	Result (mg/dm <sup>2</sup> )	Reporting Limit (mg/dm <sup>2</sup> )	Permissible Limit (mg/dm <sup>2</sup> )
3% Acetic Acid (W/V) Aqueous Solution	10 days at 40°C	ND	3.0	10
10% Ethanol (V/V) Aqueous Solution	10 days at 40°C	ND	3.0	10
Fatty food substitute				
95% Ethanol (V/V) Aqueous Solution	10 days at 40°C	ND	3.0	10
Iso-octane	2 days at 20°C	ND	3.0	10
<b>Comment</b>	--	PASS	--	--

Sample Description : **Plastic Microwaveable PP Round Container**  
**Size: 4oz, 8oz, 10oz, 12oz, 16oz, 20oz, 25oz, 30oz, 850ml, 1000ml**

Note : 1. mg/dm<sup>2</sup> = milligram per square decimeter  
2. °C = degree Celsius  
3. ND = Not Detected  
4. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

## Remark:

1. Analytical tolerance of aqueous simulants is 2mg/dm<sup>2</sup> or 12mg/kg
2. Analytical tolerance of fatty food simulants is 3mg/dm<sup>2</sup> or 20mg/kg
3. Test condition & simulant were specified by client.

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Test Results:

b) Specific Migration of Heavy Metals

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 13130-1:2004 for selection of test method. Analysis was performed by ICP-OES.

Simulant Used: 3% acetic acid (w/v) in aqueous solution

Test Condition: 10 days at 40°C (1<sup>st</sup> Migration)

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
Specific Migration of Barium	ND	0.25	1
Specific Migration of Cobalt	ND	0.01	0.05
Specific Migration of Copper	ND	0.25	5
Specific Migration of Iron	ND	0.25	48
Specific Migration of Lithium	ND	0.5	0.6
Specific Migration of Manganese	ND	0.25	0.6
Specific Migration of Zinc	ND	0.5	5
Specific Migration of Aluminium	ND	0.25	1
<b>Comment</b>	<b>PASS</b>	--	--

Sample Description : **Plastic Microwaveable PP Round Container**  
**Size: 4oz, 8oz, 10oz, 12oz, 16oz, 20oz, 25oz, 30oz, 850ml, 1000ml**

Note : 1. mg/kg = milligram per kilogram of foodstuff in contact with  
 2. °C = degree Celsius  
 3. ND = Not Detected  
 4. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

Remark:

1. Test condition & simulant were specified by client.
2. The ratio of surface area to volume ratio is 5.5 dm<sup>2</sup> per 1 kg of foodstuff in contact with.
3. The volume of simulant used is 0.35 L.

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Sample Photo:



SGS authenticate the photo on the original report only

\*\*\* End of Report \*\*\*

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