



## Test Report

No.T32020290745TC

Date: Oct 07, 2020

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DRAGONCHEM LIMITED

UNIT 03, 9/F., TRUST CENTRE, 912 - 914 CHEUNG SHA WAN ROAD, KOWLOON,  
HONG KONG

The following samples were submitted and identified by/on behalf of the client as:  
BACTOSTAT PP RESIN

Case No. : CA320202934609  
Style /Item No. : RP1034  
P.O./ Ref. No. : CV204231  
Supplier : CVI  
Manufacturer : THE HONG KONG POLYMER SCIENCE LTD  
Country of Origin : HONG KONG  
Sample Receiving Date : SEP 25, 2020  
Testing Period : SEP 25, 2020 - OCT 07, 2020

Test Requested	Conclusion
<b>European Commission Regulation (EU) No 10/2011 and its amendments</b>	--
a) Plastic – Overall Migration	PASS
b) Plastic – Specific Migration of Heavy Metals	PASS

\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
SGS Hong Kong Ltd.

\_\_\_\_\_  
To Man Wah, Po  
Technical Manager

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



**Test Results:**

**European Commission Regulation (EU) No 10/2011 and its amendments**

a) Plastic – Overall migration

Method : With reference to EN 1186-1:2002 for selection of conditions and test methods (3<sup>rd</sup> migration);  
 EN 1186-3:2002 aqueous food simulants by total immersion method;  
 EN 1186-2/13:2002 olive oil by total immersion method;

Simulant Used	Test Condition	Result (mg/dm <sup>2</sup> )	Reporting Limit (mg/dm <sup>2</sup> )	Permissible Limit (mg/dm <sup>2</sup> )
		1		
3% Acetic Acid (W/V) Aqueous Solution	2 hours at 70°C	ND	3.0	10
10% Ethanol (V/V) Aqueous Solution	2 hours at 70°C	ND	3.0	10
Rectified Olive Oil	2 hours at 70°C	ND	3.0	10
<b>Comment</b>	--	PASS	--	--

Sample Description:

1. Semi-Transparent Plastic (Board)

- Note:
1. mg/dm<sup>2</sup> = milligram per square decimeter
  2. °C = degree Celsius
  3. ND = Not Detected
  4. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.

Remark :

1. Test condition & simulant were specified by client.

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## b) Plastic – Specific Migration of Heavy Metals

Method : Sample preparation in 3% acetic acid (w/v) in aqueous solution at 70°C for 2 hours with reference to EN 13130-1:2004; followed by analysis using Inductively Coupled Argon Plasma Spectrometry (ICP) and Inductively coupled plasma-mass spectrometry (ICP-MS). (3<sup>rd</sup> migration).

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	1		
Specific Migration of Barium	ND	0.25	1
Specific Migration of Cobalt	ND	0.03	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 Nickel	ND	0.01	0.02
Specific Migration of Zinc	ND	0.5	5
Specific Migration of Aluminum	ND	0.1	1
<b>Comment</b>	<b>PASS</b>	--	--

Sample Description:

1. Semi-Transparent Plastic (Board)

Note: 1. mg/kg = milligram per kilogram of foodstuff in contact with  
 2. °C = degree Celsius  
 3. ND = Not Detected

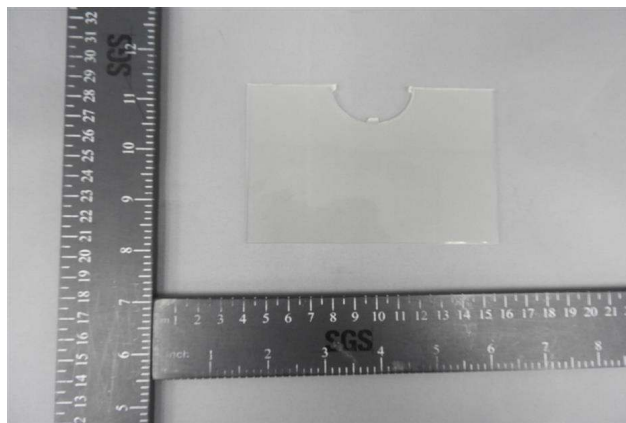
## Remark :

1. Test condition & simulant were specified by client.

**Remark:**

- When statement of conformity is made, unless inherent in the requested specification or instructed by the applicant, the decision rule would be based on the non-binary statement with guard band (is equal to the expanded measurement uncertainty with a 95% coverage probability,  $w = U_{95}$ ) in ILAC-G8:09/2019 Clause 4.2.3.  
 "Pass - the measured value is within (or below / above) the acceptance limit, where the acceptance limit is below / above to the guard band." or "Pass - The measured values were observed in tolerance at the points tested. The specific false accept risk is up to 2.5%."  
 "Fail - the measured value is out of (or below / above) the tolerance limit added / subtracted to the guard band." or "Fail - One or more measured values were observed out of tolerance at the points tested". The specific false reject risk is up to 2.5%.  
 "Inconclusive – It is not possible to state the conformity. Either one or more measured values were observed in the portion of the expanded measurement uncertainty intervals at the points tested where the specific risk is up to 50%."

**Sample Photo:**



SGS authenticate the photo on original report only

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

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