

Seow Khim Polythelene Co Pte Ltd
28 Loyang Drive
SKP Industrial Building
Singapore 508959

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

Sample Name : "SKP" POLYPROPYLENE PRODUCTS

Sample Receiving Date : 22 Feb 2022

Testing Period : 28 Feb 2022 to 17 Mar 2022

Test requested : Please refer to the result summary.

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

Result Summary :

Test Requested		Conclusion
1.	European Commission Regulation (EU) No 10/2011 and its amendments	--
	a) Plastic – Overall migration	PASS
	b) Plastic – Specific Migration of Heavy Metals	PASS
	c) Plastic - Specific Migration of Bisphenol A	PASS

Signed for and on behalf of
SGS Testing & Control Services Singapore Pte Ltd



Y C Tham (Ms)
Technical Manager, Multi-Lab



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Test Result(s)*:

1. 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 (1st migration);
 EN 1186-9:2002 aqueous food simulants by article filling method;
 EN 1186-2/13:2002 olive oil by total immersion method;

Simulants	Test Condition	Migration Result (mg/dm ²)	Reporting Limit (mg/dm ²)	Permissible Limit (mg/dm ²)
		(1)		
3% Acetic Acid (W/V) Aqueous Solution	10 days at 40°C	ND	3.0	10
50% Ethanol (V/V) Aqueous Solution	10 days at 40°C	ND	3.0	10
Rectified Olive Oil	10 days at 40°C	ND	3.0	10
Comment	--	PASS	--	--

Sample Description:

1. Semi-Transparent Plastic (Container)

Note: 1. mg/dm²= milligram per square decimeter

2. ND = Not Detected

3. °C = degree Celsius

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b) Plastic - Specific Migration of Heavy Metals

Method: Sample preparation in 3% acetic acid (w/v) in aqueous solution at 40°C for 10 days with reference to EN 13130-1:2004; followed by analysis using Inductively Coupled Argon Plasma Spectrometry (ICP) (1st migration)

Test Item	Migration Result	Reporting Limit	Permissible Limit
	(1)		
Surface area to volume ratio (dm ² /kg)	5	--	--
Specific Migration of Aluminum (mg/kg)	ND	0.1	1
Specific Migration of Antimony (mg/kg)	ND	0.01	0.04
Specific Migration of Arsenic (mg/kg)	ND	0.01	0.01
Specific Migration of Barium (mg/kg)	ND	0.25	1
Specific Migration of Cadmium (mg/kg)	ND	0.002	0.002
Specific Migration of Chromium (mg/kg)	ND	0.01	0.01
Specific Migration of Cobalt (mg/kg)	ND	0.01	0.05
Specific Migration of Copper (mg/kg)	ND	0.25	5
Specific Migration of Europium (mg/kg)	ND	0.025	0.05
Specific Migration of Gadolinium (mg/kg)	ND	0.025	0.05
Specific Migration of Iron (mg/kg)	ND	5	48
Specific Migration of Lanthanum (mg/kg)	ND	0.025	0.05
Specific Migration of Lead (mg/kg)	ND	0.01	0.01
Specific Migration of Lithium (mg/kg)	ND	0.1	0.6
Specific Migration of Manganese (mg/kg)	ND	0.1	0.6
Specific Migration of Mercury (mg/kg)	ND	0.01	0.01
Specific Migration of Nickel (mg/kg)	ND	0.01	0.02
Specific Migration of Terbium (mg/kg)	ND	0.025	0.05
Specific Migration of Zinc (mg/kg)	ND	0.5	5
Sum of Lanthanide substances (Europium, Gadolinium, Lanthanum and Terbium) (mg/kg)	ND	--	0.05
Comment	PASS	--	--

Sample Description:

1. Semi-Transparent Plastic (Container)

Note: 1. mg/kg = milligram per kilogram

2. ND = Not Detected

3. °C = degree Celsius

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Test Result(s)*:

c) Plastic - Specific Migration of Bisphenol A

Method: Sample preparation in 3% acetic acid (w/v) in aqueous solution at 40°C for 10 days with reference to EN 13130-1:2004; followed by analysis using High Performance Liquid Chromatography – Tandem Mass Spectrometer (HPLC-MS/MS) (1st migration)

Test Item	Migration Result	Reporting Limit	Permissible Limit
	(1)		
Surface area to volume ratio (dm ² /kg)	5	--	--
Specific Migration of Bisphenol A (mg/kg)	ND	0.01	0.05
Comment	PASS	--	--

Sample Description:

1. Semi-Transparent Plastic (Container)

Note: 1. mg/kg = milligram per kilogram

2. ND = Not Detected

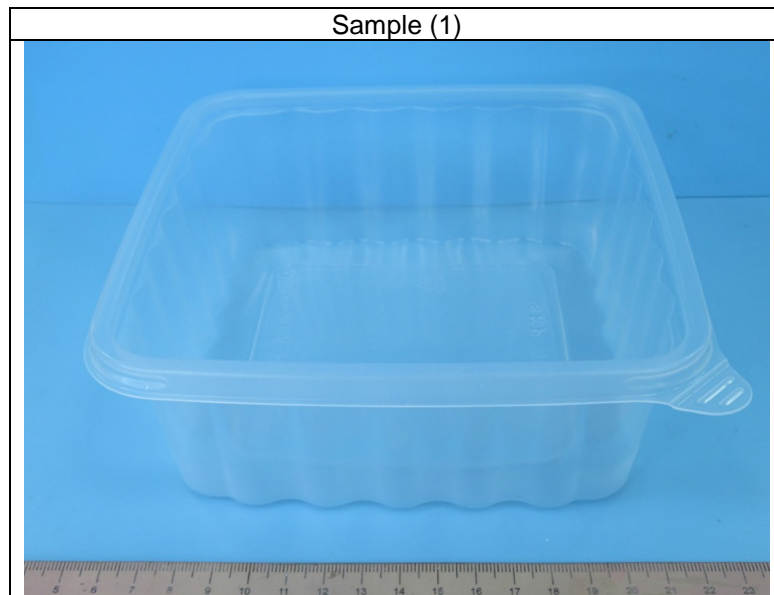
3. Permissible Limit of Bisphenol A is according to Commission Regulation (EU) 2018/213 effective from 6 September 2018.

***Tested by an SGS Lab (Ref: T32220241031SC)**

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Sample photo:

SGS authenticate the photo on original report only



End of Report

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