

Test Report No. 5508725

Date : 7-Mar-2023

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Client : Prepack Thailand Co., Ltd.
30/145,Moo1,
Khok Kham, Muang Samutsakhon, Samutsakorn 74000 Thailand

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

Sample Name : OPP/MCPP (JFSL)
Sample Description : Plastic bag
Manufacturer/Vendor : PREPACK THAILAND CO.,LTD.
Country of Origin : Thailand

The following sample(s) was/were identified by SGS as:

SGS Sample No. : 5763686
Sample Condition : Sample is contained in a plastic bag.
Quantity Submitted : 1 pack
Sample Receiving Date : 21-Feb-2023
Testing Period : 21-Feb-2023 to 7-Mar-2023

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

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Test Requested & Result Summary

Test Requested: Please refer to the result summary (Test parameter(s) was/were selected by client).

Result Summary:

Test Requested	Conclusion
Japan Ministry of Health and Welfare Notice No. 370 and its amendments Part III Section D for the compliance of the provisions of paragraph 1 of Article 7 and Article 10 of Japan Food Sanitation Law (Law No. 233) - a) Polypropylene (PP)	--
1. Total Lead and Cadmium content	PASS
2. Heavy metals (as Lead)	PASS
3. Consumption of Potassium Permanganate	PASS
4. Evaporation residue of water,4% acetic acid,20% ethanol and n-heptane	PASS
5. Migration of coloring matter	PASS

Remark:

1. Test results in this report are applicable for the item tested and reflects the tested sample as received.
2. The decision rules based on simple acceptance which the probability of false accept may be as high as 50% in case the results is exactly on the tolerance limit.

**Signed for and on behalf of
SGS (Thailand) Ltd.**



**Rutchuporn Mungsom
Laboratory manager - Toy and Hard goods**

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TEST RESULTS

Japan Ministry of Health and Welfare Notice No. 370 and its amendments Part III Section D for the compliance of the provisions of paragraph 1 of Article 7 and Article 10 of Japan Food Sanitation Law (Law No. 233)

Method : With reference to Section III of Japan Ministry of Health and Welfare Notice No. 370 and its amendments.

1) Total Lead and Cadmium content

Test items	Result (1) (microgram per gram)	Limit (microgram per gram)
Lead content***	<2	100
Cadmium content***	<2	100
Comment	PASS	--

Sample Description:

(1) Metallized / clear plastic film with multicolor printed

Note: 1. < = Less than

Remark: The test item(s) marked *** on test report is/are analyzed at SGS (Thailand) Limited, address: 10, 10/1 - 4 and 12 Soi Rama III S. 59, Chong Nonsi, Yan Nawa, Bangkok.

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2) Heavy metals (as Lead)^

Test Condition : 4% acetic acid at 60 degree C for 30 minutes.

Test items	Result (1) (microgram per millilitre)	Limit (microgram per millilitre)
Heavy Metals (as Lead)	<1	1
Comment	PASS	--

Sample Description:

(1) Metallized / clear plastic film with multicolor printed (inside)

Note: 1. degree C = degree Celsius

2. <1 is shown when sample solution is thinner than the standard solution with 1 microgram per millilitre of Lead.

Remark : ^ = Test done on client additional sample submitted on February 27, 2023.

3) Consumption of Potassium Permanganate^

Test Condition : Water at 60 degree C for 30 minutes.

Test items	Result (1) (microgram per millilitre)	Limit (microgram per millilitre)
Consumption of Potassium Permanganate	<5	10
Comment	PASS	--

Sample Description:

(1) Metallized / clear plastic film with multicolor printed (inside)

Note:

1. degree C = degree Celsius

2. < = Less than

Remark : ^ = Test done on client additional sample submitted on February 27, 2023.

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TEST RESULTS

4) Evaporation residue of water, 4% acetic acid, 20% ethanol and n-heptane[^]

Simulant Used	Test Condition	Evaporation residue Result (1) (microgram per millilitre)	Limit (microgram per millilitre)
Water	30 minutes at 60 degree C	<5	30
4% Acetic Acid	30 minutes at 60 degree C	<5	30
20% Ethanol	30 minutes at 60 degree C	<5	30
n-Heptane	60 minutes at 25 degree C	<5	150
Comment	--	PASS	--

Sample Description:

(1) Metallized / clear plastic film with multicolor printed (inside)

Note: 1. degree C = degree Celsius

2. < = less than

Remark : [^] = Test done on client additional sample submitted on February 27, 2023.

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TEST RESULTS

5) Migration of coloring matter*^

Simulant Used	Test Condition	Observation Result (1)
Water	30 minutes at 60 degree C	No color leach out
4% Acetic Acid	30 minutes at 60 degree C	No color leach out
20% Ethanol	30 minutes at 60 degree C	No color leach out
n-Heptane	60 minutes at 25 degree C	No color leach out
Comment	--	PASS

Sample Description:

(1) Metallized / clear plastic film with multicolor printed (inside)

Note: degree C = degree Celsius

Remark:

1. Test(s) marked * on this report are not included in the NSC-ONSC accreditation scope.
2. ^ = Test done on client additional sample submitted on February 27, 2023

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SAMPLE/ATTACHMENT PICTURE



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

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