

Test Report No. 3608401

Date : 5-Jul-2017

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Client : Hachanna Co.,Ltd
344/26 Sathupradit26 , Sathupradit Rd.,
Bangpongpang, Yannawa District Bangkok 10120 Thailand

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

Sample Name : Melamine Plate
 Sample No. : 3687194
 Sample Condition : Sample is contained in a box.
 Quantity Submitted : 1 pack
 Color : Yellow/White/Brown
 Country of Origin : China
 Sample Receiving Date : 31-May-2017
 Testing Period : 31-May-2017 to 5-Jul-2017

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

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
Notification of the Ministry of Public Health (No.295) B.E. 2548 (2005) : Qualities or standard for container made from plastic. a) Melamine	--
1. Lead content	PASS
2. Cadmium content	PASS
3. Phenol in water extraction	PASS
4. Formaldehyde release	PASS
5. Heavy Metal (as Lead) in 4% acetic acid extraction	PASS
6. Quantity of Potassium Permanganate Consumed	PASS
7. Residue after Evaporation Test	PASS
8. Migration of color extraction	PASS

Remark: Test results in this report are applicable for the item tested and reflects the tested sample as received.

Signed for and on behalf of
SGS (Thailand) Limited



Rutchuporn Mounsom
Laboratory manager - Toy and Hardgood

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TEST RESULTS

Notification of the Ministry of Public Health (No.295) B.E. 2548 (2005) : Qualities or standard for container made from plastic.

a) Melamine

Qualities and standard of plastic

Method : With reference to TIS 656: 2556. Analysis was performed by ICP-OES.

Details	Result (1) (mg/kg)	Limit of Quantitative (mg/kg)	Permissible Limit (mg/kg)
Lead content	<2	2.0	100
Cadmium content	<2	2.0	100

Sample Description :

1. Cream melamine with yellow / white / brown printed

Note :

1. mg/kg = miligram per kilogram
2. < = Less than

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TEST RESULTS
Qualities and standard of dissemination

Method : With reference to TIS 656: 2556.

Details	Test Condition	Result (1) (mg/dm ³)	Limit of Quantitative (mg/dm ³)	Permissible Limit (mg/dm ³)
Phenol in water extraction	30 minute at 60 degree C	Negative (See Note 4)	--	Negative
Formaldehyde in water extraction	30 minute at 60 degree C	Negative (See Note 5)	--	Negative
Heavy metal (calculated as lead) in 4% concentrated acetic acid extraction	30 minute at 60 degree C	<1	1.0	1
Potassium permanganate used for reaction in water extraction	30 minute at 60 degree C	<1	1.0	10
Residue substances which is evaporate in 4% concentrated acetic acid	30 minute at 60 degree C	14	3.0	30

Sample Description :

1. Cream melamine with yellow / white / brown printed

Note :

1. mg/dm³ = milligram per cubic decimeter
2. Degree C = degree Celsius
3. < = Less than
4. "Negative" mean the result is less than 5 mg/dm³/ "Positive" mean the result is more than 5 mg/dm³.
5. "Negative" mean the color of sample solution is not deeper than the color of contrast solution./ "Positive" mean the color of sample solution is deeper than the color of contrast solution.

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TEST RESULTS

Qualities and standard of dissemination

Test Method : With reference to TIS 655 -1 : 2553

Details	Test Condition	Result (1)	Permissible Limit
Migration of color extract by 4% concentrated acetic acid	30 minute at 60 degree C	Negative (See Note 2)	Negative

Sample Description :

1. Cream melamine with yellow / white / brown printed

Note :

1. degree C = degree Celsius
2. "Negative" mean it's not presence of color migration/ "Positive" mean it's presence of color migration.

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SAMPLE/ATTACHMENT PICTURE



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

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