

Test Report No. 3405036

Date : 17-Nov-2016

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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 : Sushi oke
 Sample Description : Round Shape
 Sample No. : 3504023
 Sample Condition : As per attached photograph.
 Quantity Submitted : 15 pcs
 Batch/Lot No. : GCK-608
 Color : Black
 Manufacturer/Vendor : Hachanna Co.,Ltd.
 Country of Origin : China
 Country of Destination : Thailand

Sample Receiving Date : 11-Nov-2016
 Testing Period : 11-Nov-2016 to 17-Nov-2016

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

Test Requested & Result Summary

Notification of the Ministry of Public Health (No.295) B.E. 2548 (2005) : Qualities or standard for container made from plastic(Test parameter(s) was/were selected by client).

a) Polystyrene (PS)

Test Parameter	Conclusion
1. Lead content	PASS
2. Cadmium content	PASS
3. Heavy metal (as lead) in 4% concentrated acetic acid extraction	PASS
4. Quantity of potassium Permanganate Consumed	PASS
5. Residue after Evaporation Test	PASS
6. Migration of color Extraction	PASS
7. Volatile substances	PASS

(Styrene,Toluene,Ethylbenzene,Isopropylbenzene and n-Propylbenzene)

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 Mungsom
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) Polystyrene (PS)

Qualities and standard of plastic

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

Details	Result (mg/kg)	Limit of Quantitative (mg/kg)	Permissible Limit (mg/kg)
Lead content	5	2.0	100
Cadmium content	2	2.0	100

Sample Description :

1. Black plastic with black coating

Note :

1. mg/kg = milligram 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 (mg/dm3)	Limit of Quantitative (mg/dm3)	Permissible Limit (mg/dm3)
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 water	30 minute at 60 degree C	<3	3.0	30
Residue substances which is evaporate in 4% concentrated acetic acid	30 minute at 60 degree C	<3	3.0	30
Residue substances which is evaporate in 20% concentrated alcohol	30 minute at 60 degree C	<3	3.0	30
Residue substances from volatile matters in normal heptane	Room temperature (1 hr. at 25 degree C)	<3	3.0	240

Sample Description :

1. Black plastic (inside)

Note :

1. mg/dm3 = milligram per cubic decimeter
2. Degree C = degree Celsius
3. < = Less than

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TEST RESULTS

Qualities and standard of dissemination

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

Details	Test Condition	Result	Permissible Limit
Migration of color extract by water	30 minute at 60 degree C	Negative (See Note 2)	Negative
Migration of color extract by 4% concentrated acetic acid	30 minute at 60 degree C	Negative (See Note 2)	Negative
Migration of color extract by 20% concentrated alcohol	30 minute at 60 degree C	Negative (See Note 2)	Negative
Migration of color extract by normal heptanes	Room temperature (1 hr. at 25 degree C)	Negative (See Note 2)	Negative

Sample Description :

1. Black plastic (inside)

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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TEST RESULTS
Qualities and standard of plastic

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

Polystyrene - Volatile substances (Styrene, Toluene, Ethylbenzene, Isopropylbenzene and n-Propylbenzene)*

Volatile substances	Result (mg/kg)	Limit of Quantitation (mg/kg)	Limit (mg/kg)
Styrene	297	100	--
Toluene	<100	100	--
Ethylbenzene	<100	100	--
Isopropylbenzene	<100	100	--
n-propylbenzene	<100	100	--
Total	<500	--	5000
Comment	PASS	--	--

Sample Description :

1. Black plastic with black coating

Note:

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

"Test(s) marked * on this Report are not included in the TISI Accreditation Scope for our Laboratory"

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SAMPLE/ATTACHMENT PICTURE



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

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