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TEST REPORT

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The results relate only to the item tested.

NSC-TISI-TIS 17025
TESTING 0417

LABORATORY ACCREDITATION
BLA-DSS

TESTING
No.0125

Number: BKKH19009033

Applicant: THE CENTURY PLASTIC CO., LTD.
43 MOO 14 SUKSAWAD RD. (BANGKRU),
PHRAPRADENG, SAMUTPRAKARN 10130
ATTN: K.PIYATHIDA

Date: Jul 25, 2019

Sample Submitted:

Quantity of sample:	3 sets
Sample description:	Yellow plastic
Date sample received:	July 12, 2019

Client Information:

Sample Name:	BUCKET & TANK
Item Ref.:	16gl Yellow

BKKH19009033

Test component

****

Tests conducted:

As requested by the applicant, for details please refer to attached page(s)

****

For and on behalf of :
Intertek Testing Services (Thailand) Ltd.,
Hardlines Laboratory

Ladtaka Wongwiboonporn
Laboratory Manager
Hardlines Department

Intertek Testing Services (Thailand) Ltd. 1285/5 Prachachuen Road, Wong-Sawang, Bangsue, Bangkok 10800 Thailand
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Number: BKKH19009033

Conclusion:

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

Type of material: Polyethylene

Tested sample	Test item	Result
Submitted sample	Material Test	Pass
	Migration Test	Pass
	Migration of color extraction Test	Pass
	Microbiological Test	Pass

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Note: No sample is submitted for Microbiological Test. The test results of Microbiological test mentioned in this report are referenced to previous report no. BKKH19005609 Date May 14, 2019.

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NSC-TISI-TIS 17025 TESTING 0417

LABORATORY ACCREDITATION BLA-DSS

TESTING No.0125

Number: BKKH19009033

Test conducted:

Test results

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

Type of Material: Polyethylene

Material Test

Test Method: With reference to JETRO (2008) part II and TIS 656-2556

Test item	Result (mg/kg)	LOD(mg/kg)	LOQ(mg/kg)	Limit (mg/kg)
Cadmium content[1]	ND	0.1	2	≤100
Lead content[1]	ND	0.5	2	≤100

Migration Test

Test Method: With reference to JETRO (2008) part II and TIS 656-2556

Test item	Test condition	Result (mg/dm^3)	LOD (mg/dm^3)	LOQ (mg/dm^3)	Limit (mg/dm^3)
Heavy metal (calculated as lead) in 4% acetic acid extraction[1]	95 degree C for 30 minute	<1	-	1	≤1
Potassium permanganate used for reaction in water extraction[1]	95 degree C for 30 minute	2	0.2	1	≤10
Residues substances which is evaporated in water[1]	95 degree C for 30 minute	ND	1	5	≤30
Residues substances which is evaporated in 4% acetic acid[1]	95 degree C for 30 minute	ND	1	5	≤30
Residues substances which is evaporated in 20% alcohol[1]	95 degree C for 30 minute	ND	1	5	≤30
Residues substances from volatile matter in normal Heptane[1]	25 degree C for 60 minute	6	1	5	≤30

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TESTING 0417

LABORATORY ACCREDITATION
BLA-DSS

TESTING
No.0125

Number: BKKH19009033

Test conducted:

Migration of color extraction

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

Test item	Test condition	Result	Limit
Migration of color extraction in water extraction▲	95 degree C for 30 minute	Negative	Negative
Migration of color extraction in 4% acetic acid▲	95 degree C for 30 minute	Negative	Negative
Migration of color extraction in 20% alcohol▲	95 degree C for 30 minute	Negative	Negative
Migration of color extraction in normal Heptane▲	25 degree C for 60 minute	Negative	Negative

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NSC-TISI-TIS 17025
TESTING 0417

LABORATORY ACCREDITATION
BLA-DSS

TESTING
No.0125

Number: BKKH19009033

Test conducted:

Microbiological Test

Test item	Result	Limit	Test method
Clostridium perfringens[2], /Piece	Not detected	Not detected	Compendium of Method for the Microbiological Examination of Food, 5th ed., 2015, chapter 3 item 3.72, 3.81 and chapter 33
Salmonella spp.[2], / Piece	Not detected	Not detected	Compendium of Method for the Microbiological Examination of Food, 5th ed., 2015, chapter 3 item 3.72, 3.81 and chapter 36
Staphylococcus aureus[2], / Piece	Not detected	Not detected	Compendium of Method for the Microbiological Examination of Food, 5th ed., 2015, chapter 3 item 3.72, 3.81 and chapter 39
Escherichia coli[2], / Piece	Not detected	Not detected	Compendium of Method for the Microbiological Examination of Food, 5th ed., 2015, chapter 3 item 3.72, 3.81 and chapter 9
Bacillus cereus[2], / Piece	Not detected	Not detected	Compendium of Method for the Microbiological Examination of Food, 5th ed., 2015, chapter 3 item 3.72, 3.81 and chapter 31

Remark:
mg/kg = Milligram per kilogram
mg/dm^3 = Milligram per 1 cube decimeter of reagent = mg/l
< = Less than
≤ = Less than or equal
ND = Not detected (less than LOD)
LOD = Limit of detection
LOQ = Limit of quantitation
▲ = Tested items are not included in the DSS Accreditation and TISI Accreditation

Testing period: July 12, 2019 to July 23, 2019
********** E N D **********/WK/JP/NK

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