



No. 0308/ 3029

To Wonderful plastic Ltd., Part

The Department of Science Service presents the test report for the sample named "HDPE PLASTIC BAG" Laboratory No. L59/00582.1 as the total of 1 sample with reference to the request No. L59/00582 dated 5 February 2016.

Enclosed herewith the following result avails for your acknowledgement.

Department of Science Service

24 March 2016



Biological Science Program

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Accreditation No. 1100/50

TEST REPORT

Sample's name

HDPE PLASTIC BAG

Mark / Brand

—

Laboratory No.

L59/00582.1

Test Result

Limit of detection

* Type of plastic which contact food	polyethylene	
Material test :		
* Lead, mg/kg	not detected	0.90
* Cadmium, mg/kg	not detected	0.25
Migration test at temperature 60°C, 30 minutes :		
Potassium permanganate used for reaction, mg/dm ³	less than 0.3	0.1
Evaporation residues of :		
water, mg/dm ³	not detected	1.5
4% acetic acid, mg/dm ³	5.0	1.5
20% ethanol, mg/dm ³	less than 5.0	1.5
n-heptane (25°C, 60 minutes), mg/dm ³	less than 5.0	1.5
* Heavy metals in 4% acetic acid extract (calculated as lead), mg/dm ³	less than 1.0	
Migration of color extracted by :		
* 4% acetic acid	not detected	
* 20% ethanol	not detected	
* n-heptane	not detected	
Pathogenic bacteria per 50-cm ² area		
* <i>Clostridium perfringens</i>	negative	
* <i>Salmonella</i> spp.	negative	
* <i>Staphylococcus aureus</i>	negative	
* <i>Bacillus cereus</i>	negative	

Thawat Nuvonthara

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Laboratory No. L59/00582.1

Customer's name Wonderful plastic Ltd., Part
Customer's address No. 259 Moo 12 Tambon Khongdan, Amphoe Bangbor, Samutprakarn 10550
Sample's description translucent plastic bag
Test date 9 February 2016
Test method Compendium of Methods for Food Analysis, DMSc and ACFS, 1st ed., 2003, Chapter 4
Compendium of Methods for the Microbiological Examination of Foods 4th ed., 2001, Chapter 3
In-house methods based on FDA BAM Online, 2001, Chapter 12, 14 and 15
In-house method based on ISO 6579 : 2002

Note The test items with * are not accredited by Bureau of Laboratory Quality Standards, Department of Medical Sciences in accordance with ISO/IEC 17025 : 2005.

Approved by

S.Chasenwit

(Miss Supattra Charoenkasemwit)
Scientist, Senior Professional Level

Reported by

Thawat Nusonthara

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