



No. 0308/3129

To Wonderful plastic Ltd., Part

The Department of Science Service presents the test report for the sample named "LDPE PLASTIC BAG" Laboratory No. L59/00583.1 as the total of 1 sample with reference to the request No. L59/00583 dated 5 February 2016.

Enclosed herewith the following result avails for your acknowledgement.

Department of Science Service

25 March 2016



Biological Science Program

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Accreditation No. 1100/50

## TEST REPORT

Sample's name

LDPE PLASTIC BAG

Mark / Brand

—

Laboratory No.

L59/00583.1

## 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<sup>3</sup>

0.4 0.1

Evaporation residues of :

water, mg/dm<sup>3</sup>

not detected 1.5

4% acetic acid, mg/dm<sup>3</sup>

5.0 1.5

20% ethanol, mg/dm<sup>3</sup>

not detected 1.5

n-heptane (25°C, 60 minutes), mg/dm<sup>3</sup>

less than 5.0 1.5

\* Heavy metals in 4% acetic acid extract

(calculated as lead), mg/dm<sup>3</sup>

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 bag

\* *Clostridium perfringens*

negative

\* *Salmonella* spp.

negative

\* *Staphylococcus aureus*

negative

\* *Bacillus cereus*

negative

Manat Nusunthara

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Laboratory No. L59/00583.1

Customer's name Wonderful plastic Ltd., Part

Customer's address No. 259 Moo 12 Tambon Khongdan, Amphoe Bangbor, Samutprakarn 10550

Sample's description transparent plastic bag

Test date 9 February 2016

Test method Compendium of Methods for Food Analysis, DMSc and ACFS, 1<sup>st</sup> ed., 2003, Chapter 4  
 In-house methods based on FDA BAM Online, 2001, Chapter 12, 14 and 16  
 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

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