



Analysis / Test Report

TESTING
No.0009

Client : Hong Thai Food Packaging Co., Ltd.
59 Lasalle 19 Alley, Bangna, Bangkok Thailand 10260
P/O : 1FPPO6609-00056
Project Name :
Project Location :

Lot ID: 23109859
Date Received : Sep 20, 2023
Date Reported : Oct 03, 2023
Report Number : 2784009-1

Sample Number	23109859-1
Sampled Date	Sep 18, 2023
Sample Description	Paper -ART-CARD
Date Analysis Commenced	Sep 21, 2023
Condition of Sample	Packed in one paper bag
Condition of Migration	Temperature <100 degree C
	20% Ethanol 30 minute at 60 °C
	4% Acetic Acid 30 minute at 60 °C
	Deionized Water 30 minute at 60 °C
	n-Heptane 60 minute at 25 °C

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
General Test							
Color *	Deionized Water	-	-	Colorless	Colorless	Based on JETRO(2008)	Bangkok
Color *	4% Acetic Acid	-	-	Colorless	Colorless	Based on JETRO(2008)	Bangkok
Color *	20% Ethanol	-	-	Colorless	Colorless	Based on JETRO(2008)	Bangkok
Color *	n-Heptane	-	-	Colorless	Colorless	Based on JETRO(2008)	Bangkok
Material Test							
Cadmium	mg/kg	0.03	0.50	Not Detected	100	Based on JETRO(2008)	Bangkok
Lead	mg/kg	0.08	3.00	Not Detected	100	Based on JETRO(2008)	Bangkok
Microbiological Testing							
<i>Bacillus cereus</i>	per 50 cm2	-	-	Not Detected	Not Detected	COMP (2015), Chapter 31	Bangkok
<i>Clostridium perfringens</i>	per 50 cm2	-	-	Not Detected	Not Detected	COMP (2015), Chapter 33	Bangkok
<i>Salmonella spp.</i>	per 50 cm2	-	-	Not Detected	Not Detected	COMP (2015), Chapter 36	Bangkok
<i>Staphylococcus aureus</i>	per 50 cm2	-	-	Not Detected	Not Detected	COMP (2015), Chapter 39	Bangkok
Migration Test							
Potassium permanganate consumption	Deionized Water	mg/dm3	0.15	0.5	12.4	10	Based on JETRO(2008) Bangkok

Approved by

Suwannee Chuankeaw
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.



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Sampled Date Sep 18, 2023
Sample Description Paper -ART-CARD
Date Analysis Commenced Sep 21, 2023
Condition of Sample Packed in one paper bag

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Migration Test							
Residue after Evaporation	20% Ethanol	mg/dm ³	2	5	46	30	Based on JETRO(2008) Bangkok
Residue after Evaporation	4% Acetic acid	mg/dm ³	2	5	46	30	Based on JETRO(2008) Bangkok
Residue after Evaporation	n-Heptane	mg/dm ³	2	5	<5	150	Based on JETRO(2008) Bangkok
Residue after Evaporation	Deionized Water	mg/dm ³	2	5	64	30	Based on JETRO(2008) Bangkok
Total Heavy Metal (as Pb)	4 % Acetic acid	mg/dm ³	-	0.5	<0.5	1	Based on JETRO(2008) Bangkok

Guideline: Notification of The Ministry of Public Health No. 435 B.E. 2565, (คุณภาพหรือมาตรฐานของเนื้อพลาสติกและการแพร่กระจายตามบัญชีหมายเลข 2)

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Suwannee Chumkeaw
Section Head

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Sample Attachment Picture

Sample Number 23109859-1
Sample Description Paper -ART-CARD

