

TEST REPORT

Applicant: TANVEER PACKAGES
M II E 1030-B BLOCK C NEAR PARACHA
CHOWK SHERSHAH STREET NO,6 BLOCK C
NEAR PARACHA CHOWK SHERSHAH

Number: HKGH02923453

Date: Sep 13, 2022

Sample and Information provided by customer :

Item Name : **Linear Low-Density Polyethylene (LLDPE) - Polyethylene
Liner bags: LSK # 4512/22.**

Quantity : 3 pcs

For and on behalf of :
Intertek Testing Services HK Ltd.



Cindy I.K. Chan
Vice President



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Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) Specifications and Standards and Testing Methods of "Foodstuffs", "Implements", "Containers and Packaging", "Toys" and "Detergents", Section III - Apparatus and Containers and Packages, (Notification No. 370 of Ministry of Health, Labour and Welfare, 1959), under the Japan Food Sanitation Law (Law No. 233, 1947) - Coloring Matters	Pass
(2) Specifications and Standards and Testing Methods of "Foodstuffs", "Implements", "Containers and Packaging", "Toys" and "Detergents", Section III - Apparatus and Containers and Packages, (Notification No. 370 of Ministry of Health, Labour and Welfare, 1959), under the Japan Food Sanitation Law (Law No. 233, 1947) - Synthetic Resin - Polyethylene	Pass

Decision Rule(s):

When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek's "Decision Rule Document" and is available on Intertek's website. <https://intertekhk.grd.by/decision-rule-doc>.
If decision rule already inhaled in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.



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(1) Chemical Properties on Coloring Matters

Test method: Specifications and Standards and Testing Methods of "Foodstuffs", "Implements", "Containers and Packaging", "Toys" and "Detergents", Section III - Apparatus and Containers and Packages, (Notification No. 370 of Ministry of Health, Labour and Welfare, 1959), under the Japan Food Sanitation Law (Law No. 233, 1947).

Tested Component :
(A) Transparent plastic sheet (Liner bay) (LLDPE)

Requirement : No running of coloring matters was observed in the leaching solution

Leaching solution	Leaching condition	Result
n-Heptane	At 25°C for 1 hour	(A) NR
20% Ethanol	At 60°C for 30 minutes	NR
Water	At 60°C for 30 minutes	NR
4% Acetic acid	At 60°C for 30 minutes	NR

Remark :

NR = No Running of coloring matters was observed

Date sample received : Aug 30, 2022

Testing period : Aug 30, 2022 to Sep 07, 2022



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(2) Chemical Properties for Synthetic Resin - Polyethylene

Test method: Specifications and Standards and Testing Methods of "Foodstuffs", "Implements", "Containers and Packaging", "Toys" and "Detergents", Section III - Apparatus and Containers and Packages, (Notification No. 370 of Ministry of Health, Labour and Welfare, 1959), under the Japan Food Sanitation Law (Law No. 233,1947).

Tested Component :	
(A)	Transparent plastic sheet (Liner bay) (LLDPE)

Intended use of product: Temperature ≤ 100°C

Material type		Polyethylene (PE)		
Parameter		Result	Limit	Conclusion
		(A)		
i) General requirement				
Elution test				
• Consumption of potassium permanganate		< 4 µg/ml	10 µg/ml	Pass
• Heavy metal (as lead)		< 1 µg/ml	1 µg/ml	Pass
Material test				
• Total cadmium (Cd)		< 5 µg/g	100 µg/g	Pass
• Total lead (Pb)		< 5 µg/g	100 µg/g	Pass
ii) Individual requirement				
Elution test				
• Evaporation residue	Leaching condition			
n-Heptane	At 25°C for 1 hour	14 µg/ml	150 µg/ml	Pass
20% Ethanol	At 60°C for 30 minutes	< 10 µg/ml	30 µg/ml	Pass
Water	At 60°C for 30 minutes	< 10 µg/ml	30 µg/ml	Pass
4% Acetic acid	At 60°C for 30 minutes	< 10 µg/ml	30 µg/ml	Pass



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Remark : $\mu\text{g/ml}$ = microgram per millilitre
 $\mu\text{g/g}$ = microgram per gram

Date sample received : Aug 30, 2022
Testing period : Aug 30, 2022 to Sep 07, 2022

End of report

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