

TEST REPORT

NUMBER : DELH25007636
DATE : 28TH JUNE, 2025



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APPLICANT: **PARAS POLYMERS**
F-15 UDYOG NAGAR PEERAGHARI, DELHI

ATTN: RATI KANWAL

SAMPLE DESCRIPTION: PLASTIC FOOD CONTAINERS (BLACK BUCKET & TRANSPARENT LID)

DATE RECEIVED : 10TH MAY, 2025
TEST PERFORMANCE DATE : 10TH MAY 2025 TO 28TH JUNE, 2025
BUYER'S NAME : --
BUYING AGENT/ CONTACT : --
FIBRE CONTENT. : PP
PART CODE : --
COLOR : --
END USE : FOOD PACKAGING
COUNTRY OF ORIGIN : INDIA
COUNTRY OF DESTINATION : INDIA
MANUFACTURER'S NAME : --

TESTS CONDUCTED: AS PER THE REQUEST BY THE APPLICANT.
FOR FURTHER DETAILS PLEASE REFER TO THE ENCLOSED PAGE (S).

CONCLUSION:

TESTED SAMPLE	TEST PARAMETERS/STANDARD	RESULT
SUBMITTED SAMPLE	OVERALL MIGRATION (Food Safety and Standards (Packaging) Regulations, 2018)	M
	SPECIFIC MIGRATION OF HEAVY METALS (Food Safety and Standards (Packaging) Regulations, 2018)	M
	SPECIFIC MIGRATION OF DEHP (Food Safety and Standards (Packaging) Second Amendment Regulations, 2022)	M
	COLOR MIGRATION (Food Safety and Standards (Packaging) Regulations, 2018)	M

NOTE: M = MEET REQUIREMENT F = DO NOT MEET REQUIREMENT
= NO SPECIFIED REQUIREMENT N/A = NOT APPLICABLE

Note:

- Statement of conformity is based on the simple acceptance rule without using measurement uncertainty.
- In this report results relate only to the item tested.
- Laboratory reports the final test results in test report. Any additional information, if required will be provided on request.
- Samples received in good condition.
- Testing has been performed as per the applicant's request.
- Sampling is not done by Laboratory.

AUTHORIZED BY
FOR INTERTEK INDIA PVT. LTD



SUDHANSHU KUMAR
LAB MANAGER - HARDLINES AND TOYS



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TEST CONDUCTED:

1.OVERALL MIGRATION TEST:

Test Specification: Food Safety and Standards (Packaging) Regulations, 2018

Test Method: IS 9845:1998 Reaffirmed 2020

Simulant Used	Test Condition	Test Results (mg/dm ²) (Melamine plate)			Max. Limit (mg/dm ²)
		1 st Migration	2 nd Migration	3 rd Migration	
Distilled Water	40°C for 10 Days	< 5.0	< 5.0	< 5.0	< 10
3 % Acetic Acid	40°C for 10 Days	< 5.0	< 5.0	< 5.0	< 10
10% Ethanol	40°C for 10 Days	< 5.0	< 5.0	< 5.0	< 10
n-Heptane	38°C for 30 Min	< 5.0	< 5.0	< 5.0	< 10
50% Ethanol	40°C for 10 Days	< 5.0	< 5.0	< 5.0	< 10

Tested Item: 1. Container (Black Color)

OVERALL MIGRATION TEST:

Test Specification: Food Safety and Standards (Packaging) Regulations, 2018

Test Method: IS 9845:1998 Reaffirmed 2020

Simulant Used	Test Condition	Test Results (mg/dm ²) (Melamine plate)			Max. Limit (mg/dm ²)
		1 st Migration	2 nd Migration	3 rd Migration	
Distilled Water	40°C for 10 Days	< 5.0	< 5.0	< 5.0	< 10
3 % Acetic Acid	40°C for 10 Days	< 5.0	< 5.0	< 5.0	< 10
10% Ethanol	40°C for 10 Days	< 5.0	< 5.0	< 5.0	< 10
n-Heptane	38°C for 30 Min	< 5.0	< 5.0	< 5.0	< 10
50% Ethanol	40°C for 10 Days	< 5.0	< 5.0	< 5.0	< 10

Tested Item: 1. Transparent Plastic Lid

2.SPECIFIC MIGRATION OF HEAVY METALS:

Test Specification: Food Safety and Standards (Packaging) Regulations, 2018

Test Method: With Ref. to EN 13130-1

Simulant Used: 3% Acetic Acid

Test Condition: 40°C for 10 Days

Element	Test Results (mg/kg)			Requirement (mg/kg)
	1 st Migration	2 nd Migration	3 rd Migration	
Barium (Ba)	<0.1	<0.1	<0.1	1.0
Cobalt (Co)	<0.02	<0.02	<0.02	0.05
Copper (Cu)	<1.0	<1.0	<1.0	5.0
Iron (Fe)	<5.0	<5.0	<5.0	48.0
Lithium (Li)	<0.2	<0.2	<0.2	0.60
Manganese (Mn)	<0.2	<0.2	<0.2	0.60
Zinc (Zn)	<1.0	<1.0	<1.0	25.0
Antimony (Sb)	<0.02	<0.02	<0.02	0.04

Tested Item: 1. Container (Black)

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SPECIFIC MIGRATION OF HEAVY METALS:

Test Specification: Food Safety and Standards (Packaging) Regulations, 2018

Test Method: With Ref. to EN 13130-1

Simulant Used: 3% Acetic Acid

Test Condition: 40°C for 10 Days

Element	Test Results (mg/kg)			Requirement (mg/kg)
	1 st Migration	2 nd Migration	3 rd Migration	
Barium (Ba)	<0.1	<0.1	<0.1	1.0
Cobalt (Co)	<0.02	<0.02	<0.02	0.05
Copper (Cu)	<1.0	<1.0	<1.0	5.0
Iron (Fe)	<5.0	<5.0	<5.0	48.0
Lithium (Li)	<0.2	<0.2	<0.2	0.60
Manganese (Mn)	<0.2	<0.2	<0.2	0.60
Zinc (Zn)	<1.0	<1.0	<1.0	25.0
Antimony (Sb)	<0.02	<0.02	<0.02	0.04

Tested Item: 1. Transparent Lid

3. SPECIFIC MIGRATION OF DEHP:

Test Specification: Food Safety and Standards (Packaging) Second Amendment Regulations, 2022

Test Condition: 40°C for 10 Days

Simulant Used	Test Condition	Test Result (mg/kg) (1 & 2)	Requirement (mg/kg)
50% Ethanol	40°C for 10 Days	Not Detected	1.5

Detection Limit: 0.1 mg/kg

Tested Item: 1. Plastic Container
2. Container (Black)

SPECIFIC MIGRATION OF DEHP:

Test Specification: Food Safety and Standards (Packaging) Second Amendment Regulations, 2022

Simulant Used	Test Condition	Test Result (mg/kg) (1 & 2)	Requirement (mg/kg)
N-Heptane	38°C for 30 Min	Not Detected	1.5

Detection Limit: 0.1 mg/kg

Tested Item: 1. Plastic Container
2. Container (Black)

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4. COLOR MIGRATION:

Test Specification: Food Safety and Standards (Packaging) Regulations, 2018

Test Method: IS 9845:1998 Reaffirmed 2020.

Simulant Used	Test Condition	Test Result			Requirement
		1 st migration	2 nd migration	3 rd migration	
3 % Acetic Acid	40°C for 10 days	No color migrated	No color migrated	No color migrated	There shall be no color migrated
Distilled water	40°C for 10 days	No color migrated	No color migrated	No color migrated	
10 % Ethanol	40°C for 10 days	No color migrated	No color migrated	No color migrated	
50 % Ethanol	40°C for 10 days	No color migrated	No color migrated	No color migrated	
N-heptane	38°C for 30min	No color migrated	No color migrated	No color migrated	

Tested Item: 1. Container black

Remark:

- <= Less than

- mg/dm² = milligram per kilogram

Note:

Result of 3rd migration < SML, and

Result of 1st migration ≥ 2nd migration ≥ 3rd migration after consideration of result uncertainty.

Result of 1st, 2nd and 3rd migration < SML when SML limit is Not Detected (ND)

Simulant Used	Test Condition	Test Result			Requirement
		1 st migration	2 nd migration	3 rd migration	
3 % Acetic Acid	40°C for 10 days	No color migrated	No color migrated	No color migrated	There shall be no color migrated
Distilled water	40°C for 10 days	No color migrated	No color migrated	No color migrated	
10 % Ethanol	40°C for 10 days	No color migrated	No color migrated	No color migrated	
50 % Ethanol	40°C for 10 days	No color migrated	No color migrated	No color migrated	
N-heptane	38°C for 30min	No color migrated	No color migrated	No color migrated	

Tested Item: 1. Transparent Lid

Remark:

- <= Less than

- mg/dm² = milligram per kilogram

Note:

Result of 3rd migration < SML, and

Result of 1st migration ≥ 2nd migration ≥ 3rd migration after consideration of result uncertainty.

Result of 1st, 2nd and 3rd migration < SML when SML limit is Not Detected (ND)

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END OF TEST REPORT

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