

**LAB LOCATION:** NOIDA-INDIA  
**REPORT NUMBER:** 78125-060209

**ISSUE DATE:** July 14, 2025  
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<b>Sample Description</b>	1. HDPE JAR 2.HDPE BOTTLE
<b>Buyer</b>	/
<b>SKU Number</b>	Not provided
<b>Style number</b>	Not provided
<b>Color</b>	Dark turquoise, Dark Green
<b>PO Number</b>	/
<b>No of sample submitted</b>	13 PCS
<b>Country of Origin</b>	INDIA
<b>Country of Destination</b>	USA / INDIA
<b>End use</b>	Food and Phamaceutical
<b>Date of Submission</b>	June 09, 2025
<b>Test Performance Dates</b>	June 09, 2025 to July 14, 2025

## Photo of Submitted Sample



78125-060209

For and on behalf of  
**Modern Testing Services (India) Pvt. Ltd.**



**Raj Kumar**  
**Program Manager – Hardlines**

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For and on behalf of  
**Modern Testing Services (India) Pvt. Ltd.**



**Rajbala Sharma**  
**Analytical Manager**

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TEST RESULT SUMMARY	
Test Requested	Results
Overall Migration Test – IS 9845 : 1998(REAFFIRMED 2015)	PASS (See Table #01)
Material in Contact with Food Articles [Olefin Polymers - Polypropylene Copolymer] – U.S. FDA 21 CFR 177.1520	PASS (See Table #02)

## REMARK

- 1- The listed test is conducted as per vendor's request.
- 2- This report is generated in our local format and is for vendor's reference only.
- 3- The test requirements provided by the vendor.

## COMPONENT BREAKDOWN LIST:

Test Item	Component Description
A	Blue plastic container
B	Green plastic container

**Table #01**

### Overall Migration Test – IS 9845 (REAFFIRMED 2015)

Test Condition: 10% Ethanol, 40° C, 10 days

Simulant Used	Unit	Result			Limit	Conclusion
		A				
		1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration		
10% Ethanol	mg/kg	<5	<5	<5	1. Shall not exceed 60 mg/kg 2. The migration value for each occasion must not be higher than the value in the preceding migration test	PASS

Method: Overall Migration Test – IS 9845 (REAFFIRMED 2015)

Remark: 1. According to IS 9845 (REAFFIRMED 2015), the selection of test condition and food simulants should be based on Article 18 of the Regulation.  
2. Material or article with a mean overall migration result that exceeds the overall migration limit by an amount not exceeding the analytical tolerance, shall be deemed to be in compliance with the overall migration limit.

Note: "<" = less than  
mg/kg = milligram per kilogram  
% w/w = percent weight by weight  
mg/dm<sup>2</sup> = milligram per square decimetre

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**Table #02****Material in Contact with Food Articles [Olefin Polymers - Polypropylene Copolymer] – U.S. FDA 21****CFR 177.1520**

Parameter	Unit	Result	Limit
		A	
Density	g/cm <sup>3</sup>	0.89	0.85 - 1.00
n-Hexane Extractives	% w/w	3.17	≤5.5
Xylene Extractives	% w/w	19.2	≤30
Conclusion		PASS	-

Method: U.S. FDA 21 CFR 177.1520

Note: g/cm<sup>3</sup> = gram per cubic centimetre

% w/w = percent weight by weight

"<" = less than

"≤" = less than or equal to

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**NOTE:**

Test uncertainties not reported are at client's disposal, for those in which it is possible to evaluate or estimate the test uncertainty. The statement of conformity is based on a 95% coverage probability for the expanded uncertainty of the measured result (guard band):

**Rule 1:**

For any requirement state to be "Maximum"

PASS - The measured result is below a specification limit minus guard band.

INCONCLUSIVE - The measured result is inside the guard band and below the specification limit and the measured result is above the specification limit but below the specification limit added to the guard band.

FAIL - The measured result is above a specification limit added to the guard band.

DATA - There is no specification limit required which is not possible to state the conformity.

**Rule 2:**

For any requirement state to be "Minimum"

PASS - The measured result is above a specification limit plus guard band.

INCONCLUSIVE - The measured result is inside the guard band and above the specification limit and the measured result is below the specification limit but above the specification limit added to the guard band.

FAIL - The measured result is below a specification limit minus guard band.

DATA - There is no specification limit required which is not possible to state the conformity.

**Rule 3:**

For any requirement state to be "a range (Between Upper to Lower specification limit)"

PASS - The measured result is within a range of upper and lower acceptance limit.

INCONCLUSIVE - The measured result is inside the guard band at either side of specification limits

FAIL - The measured result is outside a specification limit minus/added to the guard band.

DATA - There is no specification limit required which is not possible to state the conformity.

**Rule 4:**

For any test based on subjective grading of results by using 9-point scale

PASS - The measured result is above specification limit.

FAIL - The measured result is below a specification limit.

DATA - There is no specification limit required which is not possible to state the conformity.

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**Note:** If there is question or concern regarding the above results, please contact the appropriate lab person below:

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**\*\*\*\*End of Test Report\*\*\*\***