

**TEST REPORT**
**Report No.** GR:HL:1552000687

**ISSUE DATE:** 27-Apr-2024

**GREENPACK INDIA PVT.LTD.**

D-134, SITE 5, KASNA , GREATER NOIDA,  
GAUTAM BUDH NAGAR (U.P)  
INDIA

**CONTACT PERSON:**MANISH KUMAR SINGH

**THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :**

<b>SAMPLE DESCRIPTION</b>	WATER BASED COATING (COMPOSTABLE)
<b>COLOR</b>	WHITE
<b>END USE</b>	FOOD PACKAGING
<b>COUNTRY OF ORIGIN</b>	INDIA

**LAB PROVIDED DETAILS:**
**CONDITION OF SAMPLE** COMPLETE AND OK

**THE LOCATION OF PERFORMANCE OF THE LABORATORY ACTIVITIES:**

SGS GURUGRAM LABORATORY- OVERALL MIGRATION, PLASTIC OVERALL MIGRATION

SGS MANESAR LABORATORY- POLYMER IDENTIFICATION

**SAMPLE RECD ON** 22-Mar-2024      **TESTING PERIOD :** 01-Apr-2024 - 27-Apr-2024

**SUMMARY OF TEST RESULT:**

TESTS	PASS	FAIL	REMARKS
1. DETERMINATION OF OVERALL MIGRATION OF CONSTITUENTS OF PLASTIC MATERIALS AND ARTICLES INTENDED TO COME IN CONTACT WITH FOOD STUFFS – ACCORDING TO IS 9845: 1998 (R 2020)	P		
2. TESTING AS PER COMMISSION REGULATION (EU) NO 10/2011	--		
OVERALL MIGRATION	P		
3. POLYMER IDENTIFICATION			SEE RESULT

**Note:** NABL symbol is published only on the page/s having accredited parameters.

**Remarks:** P= Pass

F= Fail

**TEST(S) RESULT & METHOD:** PLEASE REFER TO NEXT PAGE(S). RESULTS APPLY TO THE SAMPLE AS RECEIVED

**Per Pro SGS India Pvt. Ltd.**
**YOGESH JOSHI (Manager-RSTS)**
**Authorized Signatory-Chemical**

Email your Test Report Related Enquiries at [Feedback.HLT@sgs.com](mailto:Feedback.HLT@sgs.com)



TC-6293

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ACCREDITED TEST(S)

#### TEST RESULTS:

##### 1. OVERALL MIGRATION:

Method: IS 9845: 1998 (R 2020) (1<sup>st</sup> Migration)

Simulant Used	Test Condition	Result (Amount of Extractives)		Permissible Limit	
		(mg/kg)	(mg/dm <sup>2</sup> )	(mg/kg)	(mg/dm <sup>2</sup> )
Distilled Water	70°C for 02 Hours	46.2	7.7	60	10
N-heptane	66°C for 02 Hours	<12	<2	60	10
<b>Conclusion</b>	--	Pass	Pass	--	--

Tested Item: WATER BASED COATING (COMPOSTABLE)

#### Note :-

1. mg/dm<sup>2</sup> = milligram per decimeter square, mg/kg= milligram per Kilogram.
2. °C = degree Celsius, < = less than
3. Permissible Limit is according to indian food safety and standards (Packaging) regulations 2018 with amendment.
4. Test condition & simulant were specified by customer.

##### 2. TESTING AS PER COMMISSION REGULATION (EU) No 10/2011:

##### OVERALL MIGRATION:

**Method:** With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods. (1<sup>st</sup> Migration); EN 1186-3:2022,test method for overall migration in evaporable simulant.

Simulant Used	Test Condition	Result (mg/dm <sup>2</sup> )	Reporting Limit (mg/dm <sup>2</sup> )	Permissible Limit (mg/dm <sup>2</sup> )
10% Ethanol	40°C For 10 Days	8.1	2	10
<b>Conclusion</b>	--	Pass	--	--

Tested Item: WATER BASED COATING (COMPOSTABLE)

#### Note :-

- mg/dm<sup>2</sup> = milligram per square decimeter.
- °C = degree Celsius.
- Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendment .
- Analytical tolerance of aqueous simulants is 2mg/dm<sup>2</sup>.
- Test condition & simulant were specified by customer.

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NON ACCREDITED TEST(S)

**Method:** With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods. (1<sup>st</sup> Migration);  
With reference to BS EN 1186-13:2002.

Simulant Used	Test Condition	Result (mg/dm <sup>2</sup> )	Reporting Limit (mg/dm <sup>2</sup> )	Permissible Limit (mg/dm <sup>2</sup> )
Tenax	40°C For 10 Days	Not Detected	2.0	10
<b>Conclusion</b>	--	Pass	--	--

**Tested Item:** WATER BASED COATING (COMPOSTABLE)

**Note :-**

- mg/dm<sup>2</sup> = milligram per square decimeter.
- °C = degree Celsius.
- Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendment .
- Analytical tolerance of aqueous simulants is 2mg/dm<sup>2</sup>.
- Test condition & simulant were specified by customer.

**3. POLYMER IDENTIFICATION:**
**METHOD:** ASTM E 1252:2021 By FTIR Analysis.

Test Name	Test Result	Requirement
Polymer Identification	Polyethylene Present	/

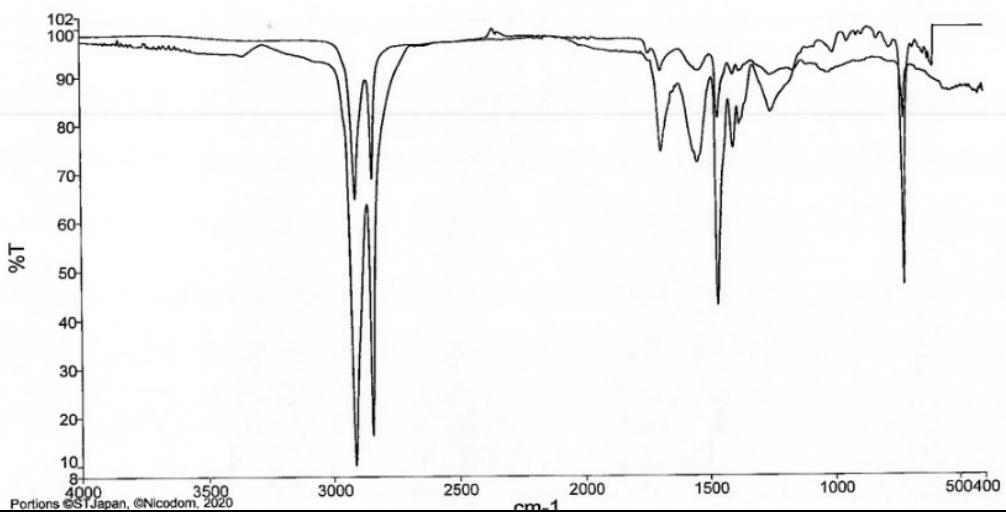
**Tested Item:** WATER BASED COATING (COMPOSTABLE)

**Note:** - Testing has been performed as per customer request.

- Test has been sub-contracted to ISO/IEC 17025 accredited laboratory.
- Above All testing has been performed as per customer request.

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**Sample as Received****FTIR Graph****\*\*\*\*\*END OF REPORT\*\*\*\*\***

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