

TEST REPORT



Test Report Number: GGN/T(A)/25/030842

Dated: 2025-10-03

Applicant : **EVERGREEN SUSTAINABLE SOLUTIONS PVT. LTD**
PLOT NO.15,HSIIDC INDUSTRIAL ESTATE,MANAKPUR, DIST
Yamunanagar,Haryana,India,135003

Sample Description : Barrier Coated paper Sheet

PO / Order No. : ESS: Biobased 001

End Use of the Material : Food contact And packaging

Biogenic Carbon Content : NA

Test Sample Receipt Date, Location : Received on 18.08.2025, Gurugram

Test Period : From 19.08.2025 to 03.10.2025

Test Result(s) : Refer to Section 3

Purpose Of Examination / Conclusion:

Remarks:

- (1) The results relate only to the items tested.
 - (2) Samples were tested as received.
 - (3) Unless otherwise agreed upon, Pass or Fail conformity statements are given based on the measured values by comparison with the provided customer requirements without any considerations of measurement uncertainties. The decision rule "Binary statement for simple acceptance" according to ILAC-G8:09/2019 is applied, so the risk of false accept (Pass) as well as false reject (Fail) can be up to 50%. The expanded measurement uncertainties of the tested parameters are less than 1/3 of the provided customer requirements.
- The submitted samples are not drawn by the laboratory.

By accepting this document the customer hereby agrees and accepts the 'Terms & Conditions' and the relevant 'Testing & Certification Regulations' of TÜV SÜD South Asia Pvt. Ltd. which are available at Company's website at the link- <https://www.tuvsud.com/en-in/terms-and-conditions>

Note: The test report is electronically generated. Hence original signature is not required.

Note : (1) The results relate only to the items tested, (2) The test report shall not be reproduced except in full without the written approval of the laboratory. (3) Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A 3.4.(4) The correctness of the information related to sample(s) in the Test Request Form/Customer letterhead/Email is the customer's responsibility. The laboratory reports the said information in the test report and is not liable for the same. (5) The testing conditions are followed as per the reported test standard. For additional test conditions apart from the reported test conditions laboratory can be contacted for details.

Laboratory:
TUV SUD South Asia Pvt. Ltd.
Plot No. 373, Udyog Vihar Phase - II, Gurgaon,
Haryana,
Gurgaon122016,GST No. :06AABCT0716G1ZR
Gurgaon

Phone:91-124-6199699
Fax :91-124-6199619
E Mail :Tirtha.Banerjee@tuvsud.com
Url :www.tuvsud.com/softlines
ControlNo:15390240.111223.193

Regd. Office:
TUV SUD South Asia Pvt. Ltd. Off Saki Vihar Road, Saki
naka, Andheri (East), Mumbai-400072. India

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Authorized By

A handwritten signature in black ink that reads 'R. Kumar'.

Robin Kumar
(Lab Manager)

Please Contact:

For any Technical issues: Tirtha Banerjee at tirtha.banerjee@tuvsud.com

For any Complaint: Krishna Deori at krishna.Deori@tuvsud.com

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1. Description of the Test Sample:

Sample Description	Barrier Coated Paper Sheet
	

2. List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description
T1	A	Barrier Coated paper Sheet

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3. Test Results

3.1 Biobased Carbon Content according to ASTM D6866-22 Method C

Details	Result
	Sample A
Biobased Carbon Content (as a fraction of Total Organic Carbon)	100%

Remark:

- (1) “%” denoted percentage.
- (2) The conclusion is drawn with a measurement time of 10 hours
- (3) The modern reference standard (SRM 4990C) of the National Institute of Standards and Technology (NIST) was used to obtain the result for a sample and the result was calculated as a percentage and is reported as percent modern carbon (pMC). This value obtained relative to the NIST standard is normalized to the year 1950 AD so an adjustment was done to calculate a carbon source value relative to today. A value of 100% biogenic carbon would indicate that 100% of the carbon of the concerned mass fraction (hereafter, the material) came from plants or animal by-products (biomass) once of the modern times and a value of 0% would mean that all of the carbon was derived from petrochemicals, coal, and other fossil sources. A value between 0-100% would indicate a mixture. The higher the value, the greater the proportion of the said biomass components in the material.
- (4) The test is performed in TUV SUD Product Service GmbH, Frankfurt.

-- END OF THE TEST REPORT --