

केन्द्रीय पेट्रोरसायन अभियांत्रिकी  
एवं प्रौद्योगिकी संस्थान (सिपेट)

(पूर्व में सेन्ट्रल इंस्टीट्यूट ऑफ प्लास्टिक्स इंजीनियरिंग एण्ड टेक्नोलॉजी)  
सिपेट : इंस्टीट्यूट ऑफ पेट्रोकेमिकल्स टेक्नोलॉजी  
रसायन एवं पेट्रोरसायन विभाग,  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
प्लॉट नं. - 48, औद्योगिक क्षेत्र भनपुरी,  
रायपुर - 493221 (छ.ग.)  
फोन नं. 0771-6673001-30  
ई-मेल : raipur@cipet.gov.in  
वेबसाइट : www.cipet.gov.in  
मुख्यालय : सिपेट, गिण्डी, चेन्नई - 600032



CENTRAL INSTITUTE OF PETROCHEMICALS  
ENGINEERING & TECHNOLOGY (CIPET)

(Formerly Central Institute of Plastics Engineering & Technology)  
CIPET : Institute of Petrochemicals Technology  
Department of Chemicals and Petrochemicals,  
Ministry of Chemicals & Fertilizers, Govt. of India  
Plot No. 48, Industrial Area Bhanpuri,  
Raipur - 493221 (C.G.)  
Phone No.: 0771-6673001-30  
E-mail : raipur@cipet.gov.in  
Website : www.cipet.gov.in  
Head Office : CIPET, Guindy, Chennai - 600032

कोरियर / स्पीडपोस्ट / बाय हेन्ड

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सिपेट / आर.पी.आर. / पी.टी.सी. / परीक्षण रिपोर्ट / 2025-26 / 2670 दिनांक: 24.12.2025

प्रति,

M/s SHASHVAT GREEN ENERGY PVT. LTD.  
Survey No.- 347/002,  
Village- Tundali, Taluka &  
District- Mehsana- 382732 Gujrat India

विषय : परीक्षण रिपोर्ट हेतु।

संदर्भ : आपका पत्र क्रमांक Nil, दिनांक 28.11.2025।

महोदय,

उपरोक्त के संदर्भ में परीक्षण रिपोर्ट क्रमांक : 613 A to C दिनांक 24.12.2025 प्राप्त करें।

संलग्न कस्टमर फीडबैक फार्म भरकर वापस भेजने का कष्ट करें।

धन्यवाद,

भवदीय,

डॉ. आलोक साहू  
प्रधान निदेशक एवं प्रमुख

संलग्न: उपरोक्तानुसार।

केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं

प्रौद्योगिकी संस्थान

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रसायन एवं पेट्रोसायन विभाग ,

रसायन एवं उर्वरक मंत्रालय, भारत सरकार

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भनपुरी, रायपुर - 493221 ( छ.ग. )

फोन : 0771-667300-30

ई-मेल : raipur@cipet.gov.in / testing-raipur@cipet.gov.in

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TC-7041



सिपेट CIPET



CENTRAL INSTITUTE OF PETROCHEMICALS

ENGINEERING & TECHNOLOGY

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Department Of Chemicals and Petrochemicals

Ministry of Chemicals & Fertilizers, Govt. Of India

Plot No. 48, Industrial Area Bhanपुरी,

Bhanपुरी, Raipur-493221 (C.G.)

Phone No. 0771-6673000-30

Email : raipur@cipet.gov.in / testing-raipur@cipet.gov.in

Website : www.cipet.gov.in

Series : B

PLASTICS TESTING CENTRE

क्र. No. 5491

Issued to :

M/s SHASHVAT GREEN ENERGY PVT. LTD.

Survey No.- 347/002,

Village- Tundali, Taluka &

District- Mehsana- 382732 Gujrat India

ULR No.:

- TC704125000000613F

Test Report No.

- 613 A, Date: 24.12.2025

W.O. No.

- 2512555

Your Ref. No.

- Nil, Date: 28.11.2025

TEST REPORTS

PART - A

PARTICULARS OF SAMPLE SUBMITTED

a) Name of Sample	:	EVA
b) Grade/ Variety/Type/Class/Size etc.	:	Nil
c) Brand Name, if any	:	Nil
d) Declared values, if any	:	Nil
e) Code No.	:	Product Code: EVA: SHASHVAT-UFC
f) Batch No. & Date of Manufacture	:	Nil
g) Quantity	:	01No. Sheet
h) Mode of Packing	:	Packed in Polythene
i) Date of Sample Received	:	29.11.2025
j) BIS Seal	:	Nil
k) IO's Signature	:	Nil
l) Test Duration	:	29.11.2025 to 24.12.2025
m) Statements of Conformity	:	Nil
n) Opinions & Interpretations	:	Nil
o) Any other Information	:	Thickness: EVA - 0.550

PART - B

SUPPLEMENTARY INFORMATIONS

i) Reference to sampling procedure wherever applicable	:	Supplied by the party
ii) Supporting documents for the measurements taken and Results derived like graphs, tables, sketches and/or photographs as appropriate to test report, if any (to be attached).	:	Nil
iii) Deviation from the test methods as prescribed in Relevant work instruction, if any	:	Nil

Samoju Pruthvi Raj (Assistant Technical Officer)  
अधिकृत हस्ताक्षर / Reviewed by / Authorised Signatory

Dr. Alok Sahu (Principal Director & Head)  
अधिकृत हस्ताक्षर / Authorised Signatory

Page No. 01 of 02

Issued to :

M/s SHASHVAT GREEN ENERGY PVT. LTD.

Survey No.- 347/002,

Village- Tundali, Taluka &amp;

District- Mehsana- 382732 Gujrat India

ULR No.: - TC70412500000613F  
 Test Report No. - 613 A, Date: 24.12.2025  
 Your Ref. No. - Nil, Date: 28.11.2025



**PART-C**  
**TEST RESULTS**

Sample Details: EVA (Product Code: SHASHVAT-UFC)

Sl. No	Name of test	Unit	Test Method	Test Value Obtained
01	Water Vapor Transmission Rate (WVTR) (Temp 38°C, RH 90%)	g/m <sup>2</sup> .24hr	ASTM F1249	6.903

**PART-D**

Remarks: Nil.

Note:

1. The Result stated above related only to the items tested.
2. This Test Report shall not be reproduced except in full without the written approval of the Laboratory
3. Remnant samples will be disposed after 3 months from the date of issue of test report.
4. This report in full or part shall not be published, advertised, used for any legal action, unless prior permission has been secured.
5. Details of sub-contracted (if any): Nil.
6. Chemical Discipline: Nil.
7. Mechanical Discipline: Sr. No. 01.

**Samoju Pruthvi Raj (Assistant Technical Officer)**  
 अधिकृत हस्ताक्षर / Reviewed by / Authorised Signatory

**Dr. Alok Sahu (Principal Director & Head)**  
 अधिकृत हस्ताक्षर / Authorised Signatory

Page No. 02 of 02

--End of Report--

केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं

प्रौद्योगिकी संस्थान

( पूर्व में सेन्ट्रल इंस्टीट्यूट ऑफ प्लास्टिक्स इंजीनियरिंग एण्ड टेक्नोलॉजी )

सिपेट : इंस्टीट्यूट ऑफ पेट्रोकेमिकल्स टेक्नोलॉजी

रसायन एवं पेट्रोसायन विभाग ,

रसायन एवं उर्वरक मंत्रालय, भारत सरकार

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Website : www.cipet.gov.in

Series : B

PLASTICS TESTING CENTRE

क्र. No.

5492

Issued to :

M/s SHASHVAT GREEN ENERGY PVT. LTD.

Survey No.- 347/002,

Village- Tundali, Taluka &

District- Mehsana- 382732 Gujrat India

ULR No.: - TC70412500000613F

Test Report No. - 613 B, Date: 24.12.2025

W.O. No. - 2512555

Your Ref. No. - Nil, Date: 28.11.2025

TEST REPORTS

PART - A

PARTICULARS OF SAMPLE SUBMITTED

a) Name of Sample	:	POE
b) Grade/ Variety/Type/Class/Size etc.	:	Nil
c) Brand Name, if any	:	Nil
d) Declared values, if any	:	Nil
e) Code No.	:	Product Code: POE: SHASHVAT-POE ENCAPSULANT,
f) Batch No. & Date of Manufacture	:	Nil
g) Quantity	:	01No. Sheet
h) Mode of Packing	:	Packed in Polythene
i) Date of Sample Received	:	29.11.2025
j) BIS Seal	:	Nil
k) IO's Signature	:	Nil
l) Test Duration	:	29.11.2025 to 24.12.2025
m) Statements of Conformity	:	Nil
n) Opinions & Interpretations	:	Nil
o) Any other Information	:	Thickness: POE - 0.550

PART - B

SUPPLEMENTARY INFORMATIONS

i) Reference to sampling procedure wherever applicable	:	Supplied by the party
ii) Supporting documents for the measurements taken and Results derived like graphs, tables, sketches and/or photographs as appropriate to test report, if any (to be attached).	:	Nil
iii) Deviation from the test methods as prescribed in Relevant work instruction, if any	:	Nil

Samoju Pruthvi Raj (Assistant Technical Officer)  
अधिकृत हस्ताक्षर / Reviewed by / Authorised Signatory

Dr. Alok Sahu (Principal Director & Head)  
अधिकृत हस्ताक्षर / Authorised Signatory

Page No. 01 of 02

Issued to :

M/s SHASHVAT GREEN ENERGY PVT. LTD.

Survey No.- 347/002,

Village- Tundali, Taluka &amp;

District- Mehsana- 382732 Gujrat India

ULR No.: - TC70412500000613F  
Test Report No. - 613 B, Date: 24.12.2025  
Your Ref. No. - Nil, Date: 28.11.2025**PART-C**  
**TEST RESULTS**

Sample Details: POE (Product Code: SHASHVAT-POE ENCAPSULANT)

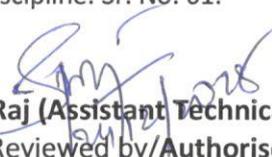
Sl. No	Name of test	Unit	Test Method	Test Value Obtained
01	Water Vapor Transmission Rate (WVTR) (Temp 38°C, RH 90%)	g/m <sup>2</sup> .24hr	ASTM F1249	9.662

**PART-D**

Remarks: Nil.

Note:

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4. This report in full or part shall not be published, advertised, used for any legal action, unless prior permission has been secured.
5. Details of sub-contracted (if any): Nil.
6. Chemical Discipline: Nil.
7. Mechanical Discipline: Sr. No. 01.

  
Samoju Pruthvi Raj (Assistant Technical Officer)  
अधिकृत हस्ताक्षर / Reviewed by / Authorised Signatory

  
Dr. Alok Sahu (Principal Director & Head)  
अधिकृत हस्ताक्षर / Authorised Signatory

Page No. 02 of 02

--End of Report--

केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं  
प्रौद्योगिकी संस्थान

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सिपेट : इंस्टीट्यूट ऑफ पेट्रोकेमिकल्स टेक्नोलॉजी  
रसायन एवं पेट्रोसायन विभाग,  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
प्लॉट नं. - 48, औद्योगिक क्षेत्र भनपुरी,  
भनपुरी, रायपुर - 493221 ( छ.ग. )

फोन : 0771-667300-30

ई-मेल : raipur@cipet.gov.in / testing-raipur@cipet.gov.in

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Website : www.cipet.gov.in

Series : B

PLASTICS TESTING CENTRE

क्र. No.

5493

Issued to :

M/s SHASHVAT GREEN ENERGY PVT. LTD.

Survey No.- 347/002,

Village- Tundali, Taluka &

District- Mehsana- 382732 Gujrat India

ULR No.: - TC704125000000613F

Test Report No. - 613 C, Date: 24.12.2025

W.O. No. - 2512555

Your Ref. No. - Nil, Date: 28.11.2025

TEST REPORTS

PART - A

PARTICULARS OF SAMPLE SUBMITTED

a) Name of Sample	:	EPE
b) Grade/ Variety/Type/Class/Size etc.	:	Nil
c) Brand Name, if any	:	Nil
d) Declared values, if any	:	Nil
e) Code No.	:	Product Code: EPE: SHASHVAT-EPE ENCAPSULANT
f) Batch No. & Date of Manufacture	:	Nil
g) Quantity	:	01No. Sheet
h) Mode of Packing	:	Packed in Polythene
i) Date of Sample Received	:	29.11.2025
j) BIS Seal	:	Nil
k) IO's Signature	:	Nil
l) Test Duration	:	29.11.2025 to 24.12.2025
m) Statements of Conformity	:	Nil
n) Opinions & Interpretations	:	Nil
o) Any other Information	:	Thickness: EPE - 0.560

PART - B

SUPPLEMENTARY INFORMATIONS

i) Reference to sampling procedure wherever applicable	:	Supplied by the party
ii) Supporting documents for the measurements taken and Results derived like graphs, tables, sketches and/or photographs as appropriate to test report, if any (to be attached).	:	Nil
iii) Deviation from the test methods as prescribed in Relevant work instruction, if any	:	Nil

Samoju Pruthvi Raj (Assistant Technical Officer)  
अधिकृत हस्ताक्षर / Reviewed by/Authorised Signatory

Dr. Alok Sahu (Principal Director & Head)  
अधिकृत हस्ताक्षर / Authorised Signatory

Issued to :

M/s SHASHVAT GREEN ENERGY PVT. LTD.  
Survey No.- 347/002,  
Village- Tundali, Taluka &  
District- Mehsana- 382732 Gujrat India

ULR No.: - TC70412500000613F  
Test Report No. - 613 C, Date: 24.12.2025  
Your Ref. No. - Nil, Date: 28.11.2025



TC-7041



**PART-C**  
**TEST RESULTS**

Sample Details: EPE (Product Code: SHASHVAT-EPE ENCAPSULANT)

Sl. No	Name of test	Unit	Test Method	Test Value Obtained
01	Water Vapor Transmission Rate (WVTR) (Temp 38°C, RH 90%)	g/m <sup>2</sup> .24hr	ASTM F1249	11.953

**PART-D**

Remarks: Nil.

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5. Details of sub-contracted (if any): Nil.
6. Chemical Discipline: Nil.
7. Mechanical Discipline: Sr. No. 01.

Samoju Pruthvi Raj (Assistant Technical Officer)  
अधिकृत हस्ताक्षर / Reviewed by / Authorised Signatory

Dr. Alok Sahu (Principal Director & Head)  
अधिकृत हस्ताक्षर / Authorised Signatory

Page No. 02 of 02

--End of Report--