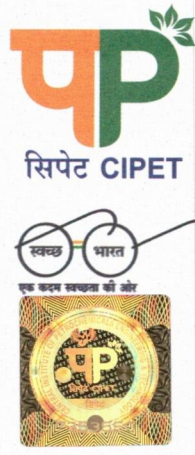


**सिपेट : पेट्रोसायन प्रौद्योगिकी संस्थान
(आईपीटी)**

(पूर्व में सेंट्रल इंस्टिट्यूट ऑफ प्लास्टिक्स इंजीनियरिंग एण्ड टेक्नोलॉजी)
रसायन एवं पेट्रोसायन विभाग
रसायन एवं उर्वरक मंत्रालय, भारत सरकार
प्लॉट नंबर 630, फेज 4, जी.आई.डी.सी., वटवा,
अहमदाबाद-382 445.
दूरभाष: (079) 40103900-909,
ईमेल: cipetahmd@gmail.com
ahmedabad@cipet.gov.in
वेबसाइट: www.cipet.gov.in
मुख्यालय : सिपेट, गिण्डी, चेन्नै - 600 032.



**CIPET : INSTITUTE OF PETROCHEMICALS
TECHNOLOGY (IPT)**

(Formerly Central Institute of Plastics Engineering & Technology)
Department of Chemicals & Petrochemicals
Ministry of Chemicals & Fertilizers, Govt. of India
Plot. No. 630, Phase-IV, G.I.D.C., Vatva,
Ahmedabad - 382 445.
Tele.: (079) 40103900-909,
E-mail: cipetahmd@gmail.com
ahmedabad@cipet.gov.in
Web: www.cipet.gov.in
Head office : CIPET, Guindy, Chennai - 600 032

INTERIM REPORT

CIPET/AHMEDABAD-IR/ RAJANISH BIO GREEN /TR No. 3584

Date: 11.04.2025

Name & Address of the party: M/s. RAJANISH BIO GREEN

Survey no. 65 to 71, Bhagvatinagar, Opp. Kathvada
GIDC, New Nikol, Ahmedabad-382430.

Date of Receipt of sample: 21.11.2024

Date of Initiation of testing: 25.11.2024

Sample details (as declared by the party): Bio Compostable Roll

Sl. No.	Property	Test method / Standard	Unit	Results obtained	Specified Requirements
1.	Material Identification	FTIR (ASTM E 1252) DSC (ASTM D 3418)	--	Polybutylene Adipate co-terephthalate (PBAT)	--
2.	Disintegration (Dry mass remains in 2 mm sieve after 84 days)	Cl. 6.2 of ISO 17088-2021/ IS 17088-2008	%	9.5	Not more than 10%
3.	Ultimate Aerobic Biodegradation (with reference to 100% degradation of positive reference)	Cl. 6.3 of ISO 17088-2021/IS 17088-2008	%	92.66 (At the end of 133 days)	> 90% (At the end of test period not more than 180 days)

Comments:

The submitted sample of **Bio Compostable Roll (as stated by the party)** complies to the requirements of Cl. 6.2 & 6.3 of ISO 17088-2021 / ISO 17088-2012.

a. Maximum Thickness of the submitted sample : 44 micron.

b. Filler content of the submitted sample : 32.53 %

Note: The submitted sample is exposed under controlled compost condition as per 17088-2021/ ISO 14855-1 and at the end of **133 days**, the cumulative biodegradation is estimated as **92.66 %** with reference to the degradation of cellulose.

- The following tests are under progress as per the standard IS/ISO 17088-2008.
 - Heavy metal analysis as per Cl. No. 6.4.1.
 - Seed germination as per Cl. No. 6.4.4.
 - Acute earthworm toxicity test as per Cl. No.6.4.4 ISO 17088-2021
 - Chronic earthworm toxicity test as per Cl. No.6.4.5 ISO 17088-2021
- The test report will be issued after the completion of all the tests.
- The interim report is only valid till the issue of test report.


Authorised Signatory

कीर्ति त्रिवेदी / KIRTI TRIVEDI

वरि. तक. अधिकारी / SR. TECH. OFFICER


Authorised Signatory

Page 1 of 1

भरत के. एल. / BHARATH K. L.
तकनीकी अधिकारी / TECH. OFFICER