

केंद्रीय पेट्रोसायन अभियांत्रिकी एवं
प्रौद्योगिकी संस्थान (सिपेट)
सिपेट : पेट्रोसायन प्रौद्योगिकी संस्थान
(आईपीटी)

(पूर्व में केंद्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)
रसायन एवं पेट्रो-रसायन विभाग
रसायन एवं उर्वरक मंत्रालय, भारत सरकार
प्लॉट नं. 630, फेज-4, जी.आई.डी.सी., वटवा, अहमदाबाद-382 445.
दूरभाष : (079) 4010 3900-909
ईमेल : ahmedabad@cipet.gov.in
cipetahmd@gmail.com
वेबसाईट : www.cipet.gov.in
मुख्यालय : सिपेट, गिण्डी, चेन्नै - 600 032.



सि पेट CIPET



INTERIM REPORT

Central Institute of Petrochemicals Engineering
& Technology (CIPET)
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.
Tel. : (079) 4010 3900-909
E-mail : ahmedabad@cipet.gov.in
cipetahmd@gmail.com
Web : www.cipet.gov.in
Head Office : CIPET, Guindy, Chennai - 600 032.

CIPET/AHMEDABAD-IR/ M/s Kamal Moulds /TR No.3929

Date: 08/06/2026

Name & Address of the party – M/s Kamal Moulds ,
Sr. No. 294,291/Paild ,
Sub plot no. 136 ,137,Sahitya Industrial Hub,
Vill : Bakrol – Bujarang , Tal: Daskrol ,
Dist: Ahmedabad - 382430

Date of Receipt of sample – 12/12/2025

Date of Initiation of testing: 16/01/2026

Sample details (as declared by the party): Compostable containers

Sl. No.	Property	Test method / Standard	Unit	Results obtained	Specified Requirements
1.	Material Identification	FTIR (ASTM E 1252) DSC (ASTM D 3418)	--	Blends of Poly Lactic Acid (PLA)/Polybutylene Adipate co- terephthalate (PBAT)	--
2.	Disintegration (Dry mass remains in 2 mm sieve after 84 days)	Cl. 6.2 of ISO 17088-2012/ IS 17088-2008	%	9.2	Not more than 10%
3.	Ultimate Aerobic Biodegradation (with reference to 100% degradation of positive reference)	Cl. 6.3 of ISO 17088-2012/IS 17088-2008	%	(92.01 % At the end of 135 days)	> 90% (At the end of test period not more than 180 days)

Comments: The submitted sample of Compostable containers (as stated by the party) complies to the requirements of Cl. 6.2 & 6.3 of ISO 17088-2012/ ISO 17088-201

a. Maximum Thickness of submitted sample: 0.88 mm

b. Filler content of the submitted sample: 8.16 %

The submitted sample is exposed under controlled compost condition as per ISO 14855-1 and at the end of 135 days, the cumulative biodegradation is estimated as **92.01 %** with reference to the degradation of cellulose

Note:

- 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

Authorised Signatory

Page 1 of 1

केन्द्र : अहमदाबाद, अमृतसर, औरंगाबाद, अगरतला, अयोध्या, बदी, बालासोर, बेंगलूरु, भोपाल, भुवनेश्वर, भावनगर, भागलपुर, बिहटा, चन्द्रपुर, चेन्नई, देहरादून, दिल्ली, गुवाहाटी, ग्वालियर, हैदराबाद, हाजीपुर, हल्दिया, इम्फल, जयपुर, कोच्ची, कोरवा, लखनऊ, मदुरै, मुरथल, मैसूर, नवसारी, पारादीप, पालक्काड, रायपुर, राँची, तामोटे, वाराणसी एवं विजयवाडा
Centers : Ahmedabad, Amritsar, Aurangabad, Agartala, Ayodhya, Baddi, Balasore, Bengaluru, Bhopal, Bhubaneswar, Bhavnagar, Bhagalpur, Bihta, Chandrapur, Chennai, Dehradun, Delhi, Guwahati, Gwalior, Hyderabad, Hajipur, Haldia, Imphal, Jaipur, Kochi, Korba, Lucknow, Madurai, Murthal, Mysore, Navsari, Paradip, Palakkad, Raipur, Ranchi, Tamot, Varanasi & Vijaywada