

सिपेट: पेट्रोकेमिकल्स तकनीकी
संस्थान (आईपीटी)

रसायन एवं पेट्रोसायन विभाग
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सिपेट CIPET



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INTERIM REPORT

CIPET/CHN-IR/G2G/TR.No:78691

Date: 19.07.2024

Name & Address of the Party

: M/s. GOOD 2 GO GLOBAL LLP,
C-505, Pathredi, Pioneer Industrial Park, Gurgaon,
Haryana - 122 413

Sample details (as declared by the party)

: Bio compostable product

Date of receipt of sample

: 09.01.2024

Date of initiation of aerobic biodegradation

: 26.02.2024

Date of completion

: 08.07.2024

Sl. No.	Property	Test method / Standard	Unit	Results obtained	Specified Requirements
1.	Material Identification	FTIR / DSC	--	Blend of Poly Lactic Acid (PLA) and Poly Butylene Adipate Co-Terephthalate (PBAT)	--
2.	Disintegration (Dry mass remains in 2mm sieve after 84 days)	Cl. 6.2 of ISO 17088-2021	%	9.0	Not more than 10%
3.	Ultimate Aerobic Biodegradation (with reference to 100% degradation of positive reference)	Cl. 6.3 of ISO 17088-2021	%	90.2 (At the end of 134 days)	> 90% (At the end of the test period not more than 180 days)

Comments: The submitted sample of Bio compostable product (as stated by party) complies to the requirements of cl. 6.2 & 6.3 of ISO 17088-2021.

Note:

1. The submitted sample is exposed under controlled compost condition as per ISO 14855-1 and at the end of 134 days, the cumulative biodegradation is estimated as 90.2% with reference to the degradation of the cellulose.
2. The following tests are under progress as per the standard ISO 17088-2021.
 - a. Heavy metal analysis as per Cl. no. 6.5.1.
 - b. Seed germination as per Cl. no. 6.4.3.
 - c. Acute earthworm toxicity test as per Cl. no.6.4.4.
 - d. Chronic earthworm toxicity test as per Cl. no.6.4.5
3. The Test Report will be issued after the completion of all the tests.
4. The interim report is only valid till the issue of Test report.

Authorized Signatory

Authorized Signatory

मुख्यालय : सिपेट, गिण्डी, चेन्नई - 600 032. Head Office : CIPET, Guindy, Chennai - 600 032.

केन्द्र : अहमदाबाद, अमृतसर, औरंगाबाद, अगरतला, बदी, बालासोर, बेंगलुरु, भोपाल, भुवनेश्वर, भावनगर, भागलपुर, चन्द्रपुर, चेन्नई, देहरादून, दिल्ली, गुवाहाटी, ग्वालियर, हैदराबाद, हाजीपुर, हल्दिया, इम्फाल, जयपुर, कोच्चि, कोरबा, लखनऊ, मदुरै, मुरथल, मैसूरु, नवसारी, पारादीप, पालक्काड, रायपुर, राँची, तामोट, वाराणसी एवं विजयवाड़ा

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