

सिपेट : पेट्रोकेमिकल्स उन्नत अनुसंधान  
स्कूल (एस ए आर पी) – ए आर एस टी पी एस

रसायन एवं पेट्रोरसायन विभाग

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**INTERIM REPORT**

**CIPET : SCHOOL FOR ADVANCED RESEARCH IN  
PETROCHEMICALS (SARP) - ARSTPS**

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**CIPET/ARSTPS-IR//TR. No. BP-08**

**Date: 20.07.2023**

**Name & Address of the Party**

**: M/s. Myglobe Ecoproducts LLP,  
Hyderabad 2-1-7/LRP/10, Laximiram  
Paradise, Upperpally, Rajendra  
Nagar, Telangana – 500 048.**

**Sample Submitted on**

**: 23.03.2023**

**Date of Initiation of aerobic Biodegradation**

**: 03.04.2023**

**Date of completion of aerobic Biodegradation**

**: 19.07.2023**

**Sample details (as declared by the party)**

**: Compostable Film**

S No.	Property	Test Method / Standard	Unit	Results Obtained	Specified Requirements
01.	Material Identification	FTIR / DSC	-	Blend of Poly Lactic Acid (PLA) and Polybutylene Adipate Terephthalate (PBAT)	---
02.	Disintegration (Dry mass remains in 2mm sieve after 84 days)	Cl. 6.2 of ISO 17088-2021 / IS 17088-2008	-	7.8%	Not more than 10%
03.	Ultimate Aerobic Biodegradation (with reference to 100% degradation of positive reference)	Cl. 6.3 of ISO 17088-2021 / IS 17088-2008	-	90.4% (At the end of 108 days)	>90% (At the end of the test period not more than 180 days)

**Comments:** The submitted sample of **Compostable Film** (as stated by party) complies with the requirements of cl. 6.2 & 6.3 of ISO: 17088- 2021 / IS: 17088-2008.

**Note:** The submitted sample is exposed under controlled compost condition as per ISO 14855-1 and at the end of 108 days the cumulative biodegradation is estimated as 90.4% with reference to the degradation of the cellulose.

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

**Authorized Signatory**

**B. Ravi**

**Authorized Signatory**

**T. Bharani**

केन्द्र : अहमदाबाद, अमृतसर, औरंगाबाद, अगरतला, बड्दी, बालासोर, बेंगलुरु, भोपाल, भुवनेश्वर, चन्द्रपुर, चेन्नई, देहरादून, गुरुग्राम, गुवाहाटी, ग्वालियर, हैदराबाद, हाजीपुर, हल्दिया, इम्फाल, जयपुर, कोच्चि, कोरबा, लखनऊ, मदुरै, मुरथल, मैसूरु, रायपुर, राँची, वलसाड, वाराणसी एवं विजयवाड़ा

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