

केंद्रीय पेट्रोसायन अभियांत्रिकी एवं
प्रौद्योगिकी संस्थान (सिपेट)

(पूर्व में केंद्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)
कौशल एवं तकनीकी सहायता केन्द्र (सी.एस.टी.एस.)
रसायन और पेट्रोसायन विभाग
रसायन एवं उर्वरक मंत्रालय, भारत सरकार
सरवे नं-३७७, सुरम्पल्ली (वि), गन्नावरम (म)
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CENTRAL INSTITUTE OF PETROCHEMICALS
ENGINEERING & TECHNOLOGY (CIPET)

(Formerly Central Institute of Plastics Engineering & Technology)
CENTRE FOR SKILLING & TECHNICAL SUPPORT (CSTS)
Department of Chemicals & Petrochemicals
Ministry of Chemicals & Fertilizers, Govt. of India
Survey No. 377, Surampalli (V), Gannavaram (M),
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Phone : 0866 - 2591466
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Head Office : Guindy, Chennai - 600 032.



CIPET/VIJAYAWADA/PTC/2023-24/ 842

Date: 25.01.2024

To
M/S AICMT INTERNATIONAL PRIVATE LIMITED
Bharath's 63 North, Ground Floor, Aditya Gardens 3rd Lane,
Plot Number-63&64, Bachupally Medchal Malkajgiri, Pin 500090

Sub: Test Report – Reg
Ref: Letter No. Your Email Dated. 23.05.2023

Dear Sir,

With reference to the above cited subject, we are enclosing herewith the Test Report No. 002987 Dated 25.01.2024

Thanking you and assuring our best services at all times.

Yours Sincerely,

Dr. Ch Shekar
Joint Director & Head
Encl: As above.

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सिपेट CIPET

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INTERIM REPORT

CIPET/CSTS: Vijayawada/IR-BDR/ TR No.2987

Date: 25.01.2024

Name & Address of the Party: M/S AICMT INTERNATIONAL PRIVATE LIMITED
Bharath's 63 North, Ground Floor, Aditya Gardens 3rd Lane,
Plot Number-63&64, Bachupally, Medchal, Malkajgiri, Pin 500090

Sample Details: Carry Bags (as declared by the party)

Date of Receipt of Sample : 31.05.2023
Date(s) of Performance of test : 22.08.2023 to 25.01.2024

Sl. no	Property	Testing Method Standard	Unit	Results obtained	Specified Requirement
1	Material Identification	FTIR/DSC	-	Poly(butylene adipate-co-terephthalate) (PBAT) & Poly Lactic Acid (PLA)	-
2	Disintegration (Dry mass remains in 2mm sieve after 84 days)	Cl.6.2 of IS/ISO 17088-2021	%	9.68	Not more than 10% of its original dry mass
3	Ultimate aerobic biodegradation(with reference to 100% degradation of positive reference)	Cl.6.3 of IS/ISO 17088-2021 / ISO:14855-1	%	91.53 (At the end of 157 days)	> 90% (At the end of the test period not more than 180 days)

Comments: The submitted Compostable Films (as stated by the party) complies with the requirements of Cl.6.2 & 6.3 of ISO 17088-2021

Note:

- The submitted sample is exposed under controlled compost condition as per ISO 14855-1 and at the end of 157 days, the cumulative biodegradation is estimated as 91.53% with reference to the degradation of the cellulose (positive reference)
- The Following tests are under progress as per the standard ISO 17088-2021
 - Plant growth test as per Cl.6.4.3.
 - Earthworm toxicity test as per Cl.6.4.4 and 6.4.5.
 - Heavy metal analysis as per Cl. No. 6.5.2.
- 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.

END REPORT

Dr. Ch Shekar
Authorized Signatory

केन्द्र : अहमदाबाद, अमृतसर, औरंगाबाद, अगरतला, बदी, बालासोर, बेंगलुरु, भोपाल, भुवनेश्वर, चन्द्रपुर, चेन्नै, देहरादून, दिल्ली, गुवाहाटी, ग्वालियर, हैदराबाद, हाजीपुर, हल्दिया, इम्फाल, जयपुर, कोच्चि, लखनऊ, मदुरै, मुरथल, मैसूरु, रायपुर, राँची, वलसाड, वाराणसी एवं विजयवाड़ा
Centres : Ahmedabad, Amritsar, Aurangabad, Agartala, Baddi, Balasore, Bengaluru, Bhopal, Bhubaneswar, Chandrapur, Chennai, Dehradun, Delhi, Guwahati, Gwalior, Hyderabad, Hajipur, Haldia, Imphal, Jaipur, Kochi, Korba, Lucknow, Madurai, Murthal, Mysuru, Raipur, Ranchi, Valsad, Varanasi & Vijayawada.