

केंद्रीय पेट्रोरसायन अभियांत्रिकी एवं प्रौद्योगिकी संस्थान(सिपेट)

(पूर्व में केंद्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)

रसायन एवं पेट्रोरसायन विभाग

रसायन एवं उर्वरक मंत्रालय, भारत सरकार

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सिपेट CIPET

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INTERIM REPORT

CIPET/ABD-IR/ GOOD 2 GO GLOBAL LLP/TR.No: 31454 (Interim Report)

Date: 05.09.2024

Name and Address of the party : GOOD 2 GO GLOBAL LLP
C-505, Pathredi, Gurgaon,
Pioneer Industrial Park,
Gurugram, Haryana- 122413.

Sample details (declared by the party) : PLA Straw
Date of Initiation : 03.05.2024

Sr. No.	Property	Test method/ Standard	Unit	Results obtained	Specified requirements
1	Material Identification	FTIR / DSC	--	Polylactic Acid (PLA) Based Material	PLA (As declared by party)
2	Disintegration (Dry mass remains in 2mm sieve after 84 days)	Cl. 6.2 of ISO 17088-2021	%	5.64	Not more than 10
3	Ultimate aerobic Biodegradation (with reference to 100% degradation of positive reference)	Cl. 6.3 of ISO 17088-2021	%	92.02 (At the end of 99 days)	>90% (At the end of the test period not more than 180 days)

Comments: The submitted sample of 'PLA Straw' (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 99 Days, the cumulative biodegradation is estimated as 92.02 % with reference to the degradation of the cellulose.
- The following tests are under progress as per the standard ISO 17088-2021
 - Heavy metal analysis as per Cl. No. 6.5
 - Seed germination as per Cl. No. 6.4.3
 - Acute Ecotoxic Effects of Earthworm as per Cl. No. 6.4.4 & 6.4.5
- 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.


Authorized Signatory


Authorized Signatory

केंद्र : अगरतला, अहमदाबाद, अमृतसर, औरंगाबाद, बड़ी, बालासोर, बेंगलुरु, भोपाल, भुवनेश्वर, चंद्रपुर, चेन्नई, देहरादून, गुवाहाटी, ग्वालियर, हल्दिया, हैदराबाद, हाजीपुर, इम्फाल, जयपुर, कोच्चि, कोरबा, लखनऊ, मद्रुरै, मुरथल, मैसूरु, नवसारी, रायपुर, राँची, वाराणसी एवं विजयवाडा.
Centres : Agartala, Ahmedabad, Amritsar, Aurangabad, Baddi, Balasore, Bengaluru, Bhopal, Bhubaneswar, Chandrapur, Chennai, Dehradun, Guwahati, Gwalior, Haldia, Hyderabad, Hajipur, Imphal, Jaipur, Kochi, Korba, Lucknow, Madurai, Murthal, Mysuru, Navsari, Raipur, Ranchi, Varanasi & Vijayawada.