

सिपेट : स्कूल फार एडवांस्ड
रिसर्च इन पेट्रोकेमिकल्स (एस. ए. आर. पी)
एडवांस्ड पॉलीमर डिसेन रिसर्च & डेवेलपमेन्ट
रिसर्च लॉबोरेटोरी, (ए.पी.डी.डी.आर.एल)
रसायन एवं पेट्रोसायन विभाग
रसायन एवं उर्वरक मंत्रालय, भारत सरकार
प्लॉट नंबर : ७ पि, हार्ट टेक रक्ष और एयरोस्पेस पार्क
(आईटी सेक्टर), जलाहोवली, बेंगलुरु - 562149
ई-मेल : apddrl@cipet.gov.in / apddrlbengaluru@gmail.com
मुख्यालय : सिपेट, गिंडी, चेन्नै - 600032



**CIPET : SCHOOL FOR ADVANCED
RESEARCH IN PETROCHEMICALS (SARP)-
ADVANCED POLYMER DESIGN & DEVELOPMENT
RESEARCH LABORATORY (APDDRL)**

Dept. of Chemicals & Petrochemicals,
Ministry of Chemicals & Fertilizers, Govt. of India
Plot No. 7P. Hi Tech Defence and Aerospace Park
(IT Sector), Jala Hobli, Bengaluru - 562 149
E-mail : apddrl@cipet.gov.in / apddrlbengaluru@gmail.com
Head Office : CIPET, Guindy, Chennai - 600032

CIPET: SARP-APDDRL/BLR/Testing/2022-23/ 2334

Dated: 29.11.2022

To
M/s. Pugmark Foods India Pvt. Ltd.,
B/1002, Parksyde Residency,
Indira nagar, Nashik – 422010

Dear Sir,

Sub.: Test Report – reg.

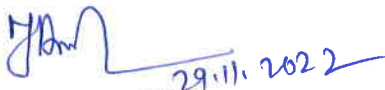
Ref.: Your email & letter dtd. 17.11.2022

We are enclosing herewith Test Report No. 22353 (Partial) dtd. 29.11.2022 pertaining to testing of your submitted sample.

Further, you are requested to kindly fill-in and send back the Customer Feedback Form enclosed herewith.

Thanking you,

With regards,


Authorized Signatory

Encl: As above

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TEST REPORT

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Test Report No : 22353 (Partial)

Date : 29.11.2022

Issued to :

**M/s. Pugmark Foods India Pvt. Ltd.,
B/1002, Parksyde Residency,
Indira nagar, Nashik - 422010**

Ref: Your email & letter dtd. 17.11.2022

PART A: PARTICULARS OF SAMPLE SUBMITTED

Nature of Sample	:	"Compostable Bag" as received from the party.
Grade / Variety / type / Size / Class etc.	:	"Industrial Grade Packaging Material ;Sample ID - IGPM" as declared by the party
Brand name, if any	:	----
Declared values, if any	:	----
Code No.	:	----
Batch No. and date of manufacture	:	----
Quantity	:	10nos.
Mode of Packing	:	Packed
Date of receipt of sample	:	17.11.2022
Date (s) of Performance of test	:	17.11.2022 -29.11.2022
Sealed or not	:	Unsealed
Any other information	:	----

PART B: SUPPLEMENTARY INFORMATION

a) Reference to sampling procedure	:	Supplied by the party
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test report, if any (to be attached)	:	DSC Thermogram
c) Deviation from the test methods as prescribed in relevant IS / Work instructions, if any	:	Nil

Samir
29/11/2022

Yam
29.11.2022

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Amrit Mahotsav



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Test Report No : 22353 (Partial)

Date : 29.11.2022

TEST REPORT

PART C : TEST RESULTS

Sl. No	Tests	Test Method	Unit	Results Obtained
1	Density	ASTM D 792	g/cc	1.44
2	Melt Flow Index (190°C/2.16kg)	ASTM D 1238	g/10min	5.11
3	DSC Analysis	ASTM D 3418	°C	Transition observed at 120.9°C
4	Tensile Strength (MD)	ASTM D 882	MPa	19.4
5	Elongation at break (MD)	ASTM D 882	%	652.9
6	Tensile Strength (TD)	ASTM D 882	MPa	15.0
7	Elongation at break (TD)	ASTM D 882	%	893.6
8	Moisture Content (100°C/1hr)	Hot Air Oven method	%	0.15
9	Dart Impact Test	ASTM D 1709 (Method-B)	g	584
10	Ash Content	ASTM D 2584	%	30.00

PART D: REMARKS –

- Statement of conformity: NA
- Opinion & Interpretation: NA

NB:

- The results stated above related only to the items tested.
- This Test Report shall not be reproduced except in full without the written approval from CIPET:SARP-APDDRL, Bengaluru.
- This Test report is intended for your guidance and is not valid for legal purposes or for advertisement.
- Any anomaly/discrepancy in this report should be brought to the notice of CIPET within 30 days from the date of issue.
- Tested Sample will be disposed-off after 90 days from the date of test.
- Details of test subcontracted: Nil

-----End of Report-----

Reviewed By
Sasmita Mishra
Technical Officer(Testing)

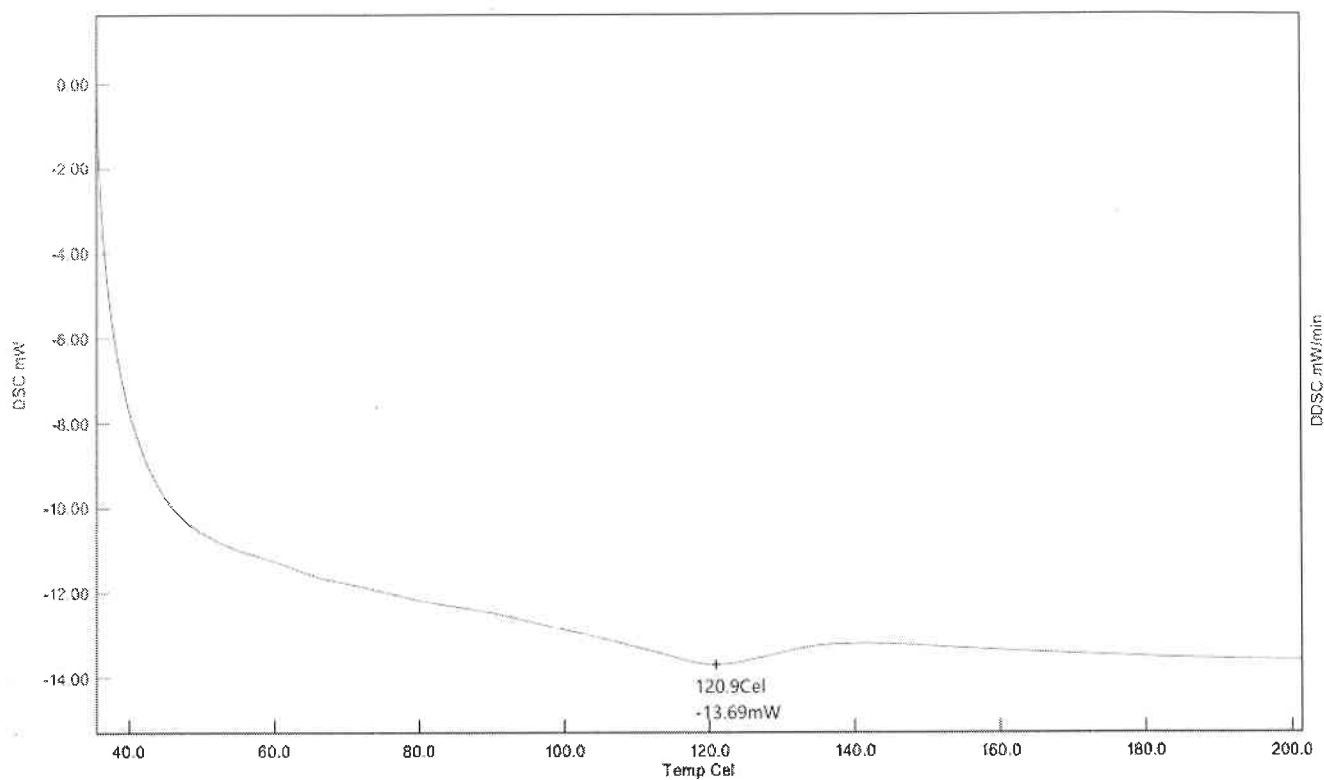
Dr. Manoranjan Biswal
Sr. Scientist

केन्द्र : अहमदाबाद, अमृतसर, औरंगाबाद, अमरावती, बही, बालासोर, बेंगलूरु, भोपाल, भुवनेश्वर, चन्द्रपुर, चेन्नै, देहरादून, गुरुग्राम, गुवाहाटी, ग्वालियर, हैदराबाद, हाजीपुर, हल्दिया, इम्फाल, जयपुर, कोच्चि, कोरबा, लखनऊ, मद्रास, मुम्बई, मुखल, मैसूरु, रायपुर, राँची, बलसाड एवं विजयवाडा
Centres : Ahmedabad, Amritsar, Aurangabad, Agartala, Baddi, Balasore, Bengaluru, Bhopal, Bhubaneswar, Chandrapur, Chennai, Dehradun, Gurugram, Guwahati, Gwalior, Hyderabad, Hajipur, Haldia, Imphal, Jaipur, Kochi, Korba, Lucknow, Madurai, Murthal, Mysuru, Raipur, Ranchi, Valsad & Vijayawada.

DSC Analysis

Test Report No. 22353

Dtd. 29.11.2022



Sasmita
Reviewed By 29/11/2022
Sasmita Mishra
Technical Officer(Testing)

Manoranjan
29.11.2022
Dr. Manoranjan Biswal
Sr. Scientist

