

TEST REPORT



Test Report No. GGN/H(M)/22/000800

Dated 2022.04.25

South Asia

Sample Image(s) (As Received)



Component No. A

Note: (1) General Terms & Conditions as mentioned overleaf, (2)The results relate only to the items tested, (3)The test report shall not be reproduced except in full without the written approval of the laboratory, (4) For details of the accredited scope please contact the laboratory or Accreditation body

Laboratory:
TÜV SÜD South Asia Pvt. Ltd.
373 Udyog Vihar Phase II
Sector 20
Gurgaon – 122016

Phone : +91 (124) 6199699
Email : Anuradha.Dhamija@tuv-sud.in
www.tuv-sud.in

Registered Office:
TÜV SÜD South Asia Pvt. Ltd.
TÜV SÜD House
Off Saki Vihar Road
Saki Naka, Andheri (East),
Mumbai – 400072. India

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TEST REPORT

Test Report No. GGN/H(M)/22/000800

Dated 2022.04.25



Choose certainty.
Add value.

Applicant / Company name : SOUTHERN ENTERPRISES
NEW NO. 87, OLD NO.37, SARAVANA PERUMAL STREET,
Address : PURASAWALKAM, CHENNAI-600084
Attention / Contact person : N. ANANDARAMAN
Tested sample : Received on 2022.04.18 at 10:01 a.m.
Test period : 2022.04.22 to 2022.04.25
Article / Sample description : RELACRYL PALISADE AX

Note: The submitted sample(s) is / are Not Drawn by the Laboratory

NOTE: Unless otherwise agreed upon, Pass or Fail or Statement of compliance verdicts are given based on the measured values without any considerations of measurement uncertainties. Every test method has a measurement uncertainty which has been evaluated by the laboratory and are available on request. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

By accepting this document, the customer hereby agrees and accepts the 'Terms & Conditions' and the relevant 'Testing & Certification Regulations' of TÜV SÜD South Asia Pvt Ltd. which are available at Company's website at the link <https://www.tuvsud.com/en-in/terms-and-conditions>

Note: The test report is electronically generated. Hence original signature is not required.

Note: (1) The results relate only to the items tested, (2) The test report shall not be reproduced except in full without the written approval of the laboratory (3) Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4. (4) The correctness of the information related to sample(s) in the Test Request Form/Customer letterhead/Email is the customer's responsibility. The laboratory reports the said information in the test report and is not liable for the same, (5) The testing conditions are followed as per the reported test standard. For additional test conditions apart from the reported test conditions laboratory can be contacted for details

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TEST REPORT

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Dated 2022.04.25



South Asia

Choose certainty.
Add value.

Remarks:

1. Sample(s) is / are tested as on-received basis.
2. Test(s) performed as requested by applicant.
3. Conclusion of the test was drawn as per compliance requirement(s) specified by applicant.

Authorized By

Robin Kumar Tyagi
(Authorised Signatory)

Please Contact:

For any technical issues: Anuradha Dhamija at :Anuradha.Dhamija@tuvsud.com
For any complaint: Krishna Deori at: Krishna.Deori@tuvsud.com

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TEST REPORT



Test Report No. GGN/H(M)/22/000800

Dated 2022.04.25

Summary of Test Result(s)

S. No.	Test(s)	Conclusion (#)
1.	Net Chloroform-soluble extractives	Pass
(#{}) For details regarding specification(s) / regulation(s) based on which compliance is decided, refer test details.		

Material list / List of material(s) (As confirmed by applicant)

Component No.	Component description	Material	Color
A	RELACRYL PALISADE AX	Paper	White

Sampling plan (As requested by applicant)

S. No.	Test	Component No.
1.	Net Chloroform-soluble extractives	A

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TEST REPORT

ULR-TC578722100000684F

Test Report No. GGN/H(M)/22/000800

Dated 2022.04.25



Test Result

Net Chloroform-soluble extractives

Test Specification(s) & method(s) adopted: US FDA 21 CFR 175.300;

Simulant(s) used: Refer below;

Test condition(s): Refer below.

S. No.	Simulant used	Test condition(s)	Test Result (mg/inch ²) –	Compliance requirement / Limit Max. (mg/in ²)	Conclusion
			Component No. A		
1.	Distilled water	212 °F for 30 minutes	ND	0.5	Pass
		120 °F for 24 hours	ND	0.5	Pass
2.	n-heptane	70 °F for 30 minutes	ND	0.5	Pass
		120 °F for 30 minutes	ND	0.5	Pass
3.	8% (v/v) Ethanol	120 °F for 24 hours	ND	0.5	Pass

Limit of quantification: 0.1 mg/in²

Abbreviations

(1) "mg/in²" denotes milligram per square inch; (2) "°F" denotes degree Fahrenheit; (3) "%" denotes percent; (4) "ND" denotes Not Detected or below limit of quantification.

--- END OF THE TEST REPORT ---

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सिपेट : एस. ए. आर. पि.-पॉलीमेरीक, मटेरीयल में अत्याधुनिक अनुसंधान हेतु प्रयोगशाला
रसायन एवं पेट्रोरसायन विभाग, रसायन एवं उर्वरक मंत्रालय, भारत सरकार
बी/२५, सि.एन.आई.कॉम्प्लेक्स, पटिआ, भुवनेश्वर-७५१०२४, ओडिशा

CIPET : SARP - LABORATORY FOR ADVANCED RESEARCH IN POLYMERIC MATERIALS



Dept. of Chemical & Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India

B/25, C.N.I. Complex, Patia, Bhubaneswar-751 024, Odisha

Ph : 0674 - 2742852, 2740173, Fax : 0674 - 2740463

E-mail : larpmcipet@larpm.in, Web : www.larpm.gov.in

LARPM/CIPET/Testing/2022-23/

Date: 08.04.2022

To,

**Mr. Rajesh.M.N
M/s. Southern Enterprises
Old No 37, New No 87, Saravanaperuma Street,
Purasaiwalkam, Chennai-600084, TamilNadu
Mob: 9500026958**

Sub -Test Report-Reg.

Dear Sir,

**Ref No: 1) Your letter dated 22.03.2022 & SSF dated 30.03.2022
2) Our Work Order No.: LARPM/BBS./2021-22/210 dated 30.03.2022.**

With reference to the above cited subject, please find enclosed here with **Test Report No. 00477**
dated 06.04.2022.

Kindly acknowledge the receipt of the same.

Thanks & Regards,

**Director & Head
(Principal Scientist)**

Encl: As above

सिपेट : एस. ए. आर. पि.-पॉलीमेरिक, मटेरीयल में अत्याधुनिक अनुसंधान हेतु प्रयोगशाला
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E-mail : larpmcipet@larpm.in, Web : www.larpm.gov.in



ULR-TC569322000000054F

458136

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ANALYSIS REPORT

Report No.: 00477

Date : 06.04.2022

Issued to

M/s. Southern Enterprises
Old No 37, New No 87, Saravanaperuma Street,
Purasaiwalkam, Chennai-600084, TamilNadu

Customer Ref. No. & Date : Your letter dated 22.03.2022 & SSF dated 30.03.2022

Work Order Ref. No. & Date : LARPM/BBS./2021-22/210 dated 30.03.2022.

As per Standard : As per part C

PART A: PARTICULARS OF SAMPLE SUBMITTED

a) Name of the Sample	: Relacryl PALISADE AX - as stated by party.
b) Grade/Variety/Type/Size/Class etc.	: Nil.
c) Code No.	: Nil.
d) Quantity (pcs./mtr/gm/nos)	: 500 gm.
e) Mode of packing (Sealed carton/polypouch/container or not)	: Packed in Envelop.
f) Date of receipt of sample	: 28.03.2022.
g) Date of Performance of test	: 30.03.2022-05.04.2022
h) Any other information	: Nil

PART B: SUPPLEMENTARY INFORMATION

a) Reference to sampling procedure	: Drawn & supplied by the party
b) Supporting documents for Measurements taken and results derived like graphs, tables, sketches and/or photographs as appropriate to test report If any (to be attached)	: As per part -C
c) Deviation from the test methods as prohibited in relevant ASTM/ISO/DIG/ Work Instructions, If any--	: Nil

Mr. Pinaki Chatterjee
Mr. Pinaki Chatterjee
6.04.2022

AUTHORISED SIGNATORY

YB
Dr. Manoranjan Biswal
6.04.2022

AUTHORISED SIGNATORY

सिपेट : एस. ए. आर. पि.-पॉलीमेरीक, मटेरीयल में अत्याधुनिक अनुसंधान हेतु प्रयोगशाला
रसायन एवं पेट्रोरसायन विभाग, रसायन एवं उर्वरक मंत्रालय, भारत सरकार
बी/ २५, सि.एन.आई.कॉम्प्लेक्स, पटिआ, भुवनेश्वर-७५१०२४, ओडिशा

CIPET : SARP - LABORATORY FOR ADVANCED RESEARCH IN POLYMERIC MATERIALS



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ULR-TC569322000000054F

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ANALYSIS REPORT

PART C: TEST RESULTS

Report No. : 00477

Date : 06.04.2022

Sl. No.	Name of the Test	Test Method/ Standard	Unit	Result Obtained	Specified Requirement
1.	Sample Details: Relacryll PALISADE AX –as stated by Party				
a.	FTIR	ASTM E 1252	---	(As per Annexure -I attached)	---
b.	DSC (RT→300°C →RT→300°C) Scan rate:10 °C/min	ASTM D 3418	---	(As per Annexure -I attached)	---
c.	TGA (RT→800°C) Scan rate:10 °C/min	ASTM E 1868	---	Max. Degradation temp: 397.07 °C with final residue of 0.11 % upto 800 °C. (As per Annexure -I attached)	---

Comments: From the above analysis, it may be concluded that the base material of the supplied sample i.e. "Relacryll PALISADE AX" is acrylic based liquid sample. As per the PWM regulation (notification published in the Gazette of India ,Part-II ,Section-3, Sub-section(i),New Delhi, the 18th March 2016,as amended rules 2022) "Plastic" means material which contains as an essential ingredient a high polymer such as polyethylene terephthalate, high density polyethylene, Vinyl, low density polyethylene, polypropylene, polystyrene resins, multi-materials like acrylonitrile butadiene styrene, polyphenylene oxide, polycarbonate, Polybutylene terephthalate. The above mentioned high polymer & multi-materials was not found in the supplied sample.

PART D:- REMARKS:

Note:

1. This Test Report / Certificate is issued only for the samples submitted to CIPET:SARP-LARPM.
2. The results stated above related only to the items tested.
3. The quality of the subsequent production lot has to be ensured by the purchaser.
4. This Test Report shall not be reproduced except in full without the written approval of the laboratory.
5. Any anomaly/discrepancy in this report should be brought to the notice of CIPET:SARP-LARPM within 30 days from the date of issue.
6. Subcontracted Tests (if any): Nil.

** End of the Report **

Mr. Pinaki Chatterjee
AUTHORISED SIGNATORY

Dr. Manoranjan Biswal
AUTHORISED SIGNATORY



केन्द्रीय प्रदूषण नियंत्रण बोर्ड

CENTRAL POLLUTION CONTROL BOARD

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

Dated: 13.03.2023

Certificate No.- CPCB-UPC-II/RM BIOTECH PRIVATE LIMITED/
Karnataka/239

To,

M/s RM BIOTECH PRIVATE LIMITED

Plot No.63-P-26 SY No Parts 196 and 83, 2nd Sector,
2nd phase, Bidadi Industrial Area, Ramnagara Bidadi,
Karnataka, 562109

Sub: Certificate to manufacturer for Manufacturing / Selling of Compostable Carry Bags and Commodities.

With reference to the application no. **RM BIOTECH PRIVATE LIMITED/Karnataka/239** dated **09 Mar 2023** this is to certify that **M/s RM BIOTECH PRIVATE LIMITED** plant located at **Plot No.63-P-26 SY No Parts 196 and 83, 2nd Sector, 2nd phase, Bidadi Industrial Area, Ramnagara Bidadi, Karnataka, 562109** is fulfilling the criteria as per revised Standard Operating Procedure (SOP) for issuing certificate as per the provisions '4(h)'&'11(c)' of Plastic Waste Management Rules, 2018, for manufacturing and selling of compostable carry bags and commodities in Indian Market as '**MANUFACTURER**'.

Certificate for manufacturing and selling of compostable plastic bags in Indian market is hereby issued to **M/s RM BIOTECH PRIVATE LIMITED** plant located at **Plot No.63-P-26 SY No Parts 196 and 83, 2nd Sector, 2nd phase, Bidadi Industrial Area, Ramnagara Bidadi, Karnataka, 562109** as '**MANUFACTURER**' with the following conditions:

- i. The end product "**Compostable plastic**" shall be manufactured using the raw materials "**Compostable starch granules, Bio degradable resin**" and following the production process (**Annexure I**).
- ii. Each carrybag and commodities made from compostable material or plastic shall bear a label "**COMPOSTABLE**" IS/ISO:17088 titled as Specifications for "Compostable Plastic" in **English & regional language**. Each carrybag and commodities shall also have printed code and Certificate Number of "**MANUFACTURER**".
- iii. The manufacturer shall generate QR code based on the details (Name, plant address, CPCB certificate no. etc.) provided in the certificate issued by CPCB and QR code shall be provided on each of the carry bag and commodities manufactured at the certified unit. The "verifiable" details of the QR code shall be shared with the SPCB/PCC/CPCB within one month of issue of this Certificate.
- iv. This certificate issued by CPCB shall not require renewal. However, a fresh application shall be filed with CPCB for grant of certificate, in case there is any change in raw material/ production process or product.

Contd....2

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

दूरभाष/Tel : 43102030, 22305792, वेबसाईट/Website : www.cpcb.nic.in

- v. The Manufacturer shall provide six-monthly report giving details of raw material procurement and product sale to SPCB/PCC/CPCB as per the prescribed format.
- vi. The "Manufacturer" shall comply with provisions of PWM Rules / Guidelines issued from time to time by the Ministry of Environment, Forest & Climate Change or Central Pollution Control Board.
- vii. If the certified Manufacturer is found non-complying with the provisions of the PWM Rules, 2018, the Certificate shall stand cancelled


(Divya Sinha)
दिव्या सिंहा / Divya Sinha
वैज्ञानिक "ई" / Scientist "E"
केंद्रीय प्रदूषण नियंत्रण बोर्ड
Central Pollution Control Board
पर्यावरण, वन एवं जलवाया मंत्रिमंडल, भारत सरकार
Mo Envt. Forest & Climate Change Govt. of India
परिषेश भवन, दुर्गा अंडा रोड, निष्ठा-11, 110021
Patna, Bihar, India. <http://cpcb.nic.in>



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE GOVT OF INDIA

F. No. CP-20/6/2023-UPC-II-HO-CPCB-HO

August 28, 2023

NOTICE

Sub: - Removal of Difficulties for Implementation of Extended Producer Responsibility (EPR) Guidelines

Central Pollution Control Board has developed the Centralized EPR Portal for Plastic Packaging for implementation of Extended Producer Responsibility (EPR) in accordance with the Guidelines on Plastic Packaging issued vide MoEFCC's Fourth Amendment to PWM Rules, 2016 dated February 16, 2022. The following measures have been taken for "Removal of Difficulties" and facilitate effective implementation of EPR Guidelines:

- a. Validity of Registration granted to Plastic Waste Processors has been extended by one year to facilitate generation of EPR Certificates by PWPs.
- b. Registration granted to PIBOs under the Rules shall not require renewal and shall be changed only on the request of PIBOs, as per sixth Amendment to PWM Rules dated April 27, 2023.
- c. The PIBOs registered on the EPR Portal during 2022-23 are required to file their Annual Report by October 31, 2023 as per sixth Amendment to PWM Rules dated April 27, 2023. Adequate number of EPR Certificates are presently available, the details of which are on the EPR Portal. All concerned PIBOs are hereby informed to procure the required EPR Certificates through the EPR Portal to fulfill their EPR liability and file their Annual Report by the due date on the Portal, failing which Environmental Compensation(EC) shall be levied on them.
- d. The PWPs registered on the EPR Portal during 2022-23 were required to file their Annual Report by July 31, 2023 as per sixth Amendment to PWM Rules dated April 27, 2023. Several PWPs are yet to file their Annual Report. All concerned PWPs are hereby informed to file their Annual Report on the EPR Portal on priority within the stipulated time frame failing which EC shall be levied on them.

All PIBOs/PWPs are required to follow the aforementioned directions for effective implementation of EPR Guidelines.


(Bharat Kumar Sharma)
Member Secretary

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