Proviva
Sustainable Alternatives

Certified Compostable Packaging

About Proviva

Welcome to Proviva, where innovation meets sustainability. Since our inception in 2020, we have been dedicated to providing non-toxic alternatives to traditional plastics using next-generation plant-based biopolymers. Our passion drives us to seek innovative custom solutions for our customers, that not only meet the needs of today but also preserve the environment for future generations.

Our Mission

To reduce environmental impact of plastics through our eco-friendly solutions, designed to foster a circular economy and drive the shift towards responsible consumption.

Our Vision

To lead the transformation towards sustainable future by designing and manufacturing innovative compostable products that serve as alternatives to conventional plastics.

"Pro" = for, "Viva" = Life

provivaorganics.com | +91-9054363230 | provivaorganics@gmail.com

Certified Compostable Packaging

Our products are non-toxic alternatives to plastics that are derived from renewable sources such as lactic acid, starch, algae, bio-waste, cellulose. They degrade within 180 days into compost to yield CO2, water, inorganic compounds, and biomass in accordance with ISO 17088.

Plant Feedstock Used To Make Compostable Resin

Compounding - Properties Modified

Converted To Compostable Products

Turns To Compost (Fertilizer) In 180 Days

Compostable Plastic

Tested By CIPET ISO 17088

Certified By CPCB

Suitable For Hot Liquid

Plant Based

No Ban/ No Minimum Micron

Why Choose Proviva

Certified & Compliant

CPCB & CIPET approved. ISO 17088 & EN 13432 certified. Plastic ban compliant.

Cost-Effective

No minimum micron regulation.
High strength at low micron increases profitability without reducing durability.

Custom Biopolymer Blends

Tailored formulations from renewable sources for optimized strength and performance.

Sustainable Manufacturing

Low environmental impact from raw material sourcing to end-of-life disposal.

Private Labelling & OEM

Branding support, white-label packaging options for retail and corporate partners.

Export Ready

Full documentation, global compliance, and support for international markets.

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Licenses

CCA

REGIONAL OFFICE, NADIAD

GUJARAT POLLUTION CONTROL BOARD

201-203, "B" Block, Sardar Patel Bhavan, Nadiad Phone: (0268) 2551427/28
Web Site: gpcb.gov.in, E-mail: [illegible]
Online Application Site: https://gpcbsgn.gujarat.gov.in/

CONSENTS AND AUTHORISATION Order No. **AWH - 73320**
(Under the provisions / rules of the aforesaid environmental acts)

To,
M/s. Proviva Organics Pvt. Ltd. (PCB ID: 91281)
Survey No - 271,
Plot No. 44, Madhav Industrial Hub,
Kanera- 387540
Taluka: Kheda, Dist: Kheda

Ref: - 1) Your CCA application Inward No. **310773** dated **20/05/2024.**

In exercise to the power conferred under section-25 of the water (Prevention & Control of Pollution) Act 1974, under section-21 of the Air (Prevention & Control) Act, 1981 and Authorization under rule 6(2) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 framed under the Environmental (Protection) Act, 1986 and without reducing your previous responsibilities under said Acts in any way, this is to inform you that this Board grants amendment to the Consolidated Consent and Authorization (CC&A) at **M/s. Proviva Organics Pvt. Ltd.,** located at **Survey No - 271, Plot No. 44, Madhav Industrial Hub, Kanera- 387540 Taluka: Kheda, Dist: Kheda** is subjected to following conditions:

1) **The Consent AWH – 73320 shall be valid up to 10/04/2029.**
2) **The other conditions of the CCA Order No. AWH – 73320 vide letter No. GPCB/ Nadiad/ TECH /ID–91281/ 16970/2024 dated 21/06/2024 shall remain unchanged.**
3) **You are directed to comply these conditions judiciously.**

For and On Behalf of
Gujarat Pollution Control Board

V. M. Panhalkar 28/04/25
(V. M. Panhalkar)
Regional Officer

NO: GPCB / Nadiad / TECH / ID- 91281/ 6464 **/2025** 28 Apr 2025

To,
M/s. Proviva Organics Pvt. Ltd. (PCB ID: 91281)
Survey No - 271,
Plot No. 44, Madhav Industrial Hub,
Kanera- 387540
Taluka: Kheda, Dist: Kheda

EPR

Gujarat Pollution Control Board
Paryavaran Bhawan, Sector 10-A, Gandhi
Nagar- 382010, Gujarat

Regn. No .
PR-24-GUJ-01-AALCP5451G-25

Date:
24-01-2025 03:34 PM

REGISTRATION CERTIFICATE FOR PRODUCER

(Under Rule-13(2) of the Plastic Waste Management Rules, 2016, as amended)

To,
proviva organics private limited(Legal Name)
(Trade Name: PROVIVA ORGANICS PRIVATE LIMITED),
PLOT NO.44,MADHAV
INDUSTRIAL HUB,OPP VRAJ
INTERGRATED TEXTILE
PARK,NATIONAL
HIGHWAY,KANERA,KHEDA,GUJARAT

With reference to the application dated **05-10-2024** regarding registration as a **Producer** Gujarat Pollution Control Board is pleased to grant the registration in favour of **proviva organics private limited, PLOT NO.44,MADHAV INDUSTRIAL HUB,OPP VRAJ INTERGRATED TEXTILE PARK,NATIONAL HIGHWAY,KANERA,KHEDA,GUJARAT**, as a Producer, for disposal of Plastic waste generated due to plastic packaging introduced by you in the market as per EPR Action Plan given below:

Sl. No	Financial Year	2024-25			
	State/UT	Cat-I	Cat-II	Cat-III	Cat-IV
1	GUJARAT	0.0	0.0	0.0	0.0
TOTAL		0.0	0.0	0.0	0.0
Grand Total		**0.0**			

CIPET

केंद्रीय पेट्रोरसायन अभियांत्रिकी एवं प्रौद्योगिकी संस्थान
पेट्रोकेमिकल्स तकनीकी संस्थान
रसायन एवं पेट्रोरसायन विभाग
रसायन एवं उर्वरक मंत्रालय, भारत सरकार
गिंडी, चेन्नै - 600 032.
फोन : 91-44-2225 4701-6 फैक्स : 91-44-22254707
ई-मेल : chennai@cipet.gov.in वेबसाइट : www.cipet.gov.in

CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY
INSTITUTE OF PETROCHEMICALS TECHNOLOGY
Department of Chemicals & Petrochemicals
Ministry of Chemicals & Fertilizers, Govt. of India
Guindy, Chennai - 600 032.
Tel : 91-44-2225 4701-6 Fax : 91 - 44 - 22254707
E-mail : chennai@cipet.gov.in Website : www.cipet.gov.in

परीक्षण रिपोर्ट/TEST REPORT

रिपोर्ट सं / **REPORT NO.** : **79940** क्र.सं / Sl. No. 36530

दिनांक / Date : **26-02-2025**

भाग – ग / PART - C

Test Duration : 18-07-2024 to 26-02-2025 परीक्षण परिणाम / TEST RESULTS

sl. No.	Name of the test	Test method / Standard	unit	Results Obtained	Specific Requirements
1	Material Identification	FTIR & DSC	-	Blend of Poly Lactic Acid and Poly butylene adipate-co-terephthalate	-
2	Disintegration (Dry mass remains in 2 mm sieve after 84 days)	ISO 17088:2021 Cl.no. 6.2	%	8.2	Not more than 10
3	Ultimate aerobic Biodegradation (with reference to 100% degradation of positive reference)	ISO 17088:2021 Cl.no. 6.3	%	91.1 (At the end of 136 days)	> 90 (At the end of the test period not more than 180 days.)
4	Monocotyledon (Onion) % Seed emergence	ISO 17088:2021 Cl.no. 6.4.3	%	100	> 90
	Dicotyledon (Fenugreek) % Seed Emergence		%	98	> 90
5	Acute Ecotoxic effects to earthworm	ISO 17088:2021 Cl.no. 6.4.4	%		
a	Survial of adult earthworm at the end of 7 days			100	Shall be more than 90
b	Survial of adult earthworm at the end of 14 days			98	Shall be more than 90
c	Biomass end of the 14 days			97	Shall be more than 90
6	Chronic ecotoxic effets to earthworm	ISO:17088:2021 Cl.no. 6.4.5	%		
a	Survial of adult earthworm at the end of 28 days			93	Shall be more than 90
b	Survial of adult earthworm at the end of 56 days			92	Shall be more than 90
c	Offspring at the end of 56 days			92	Shall be more than 90
d	Biomass end of the 56 days			98	Shall be more than 90

The detailed observation on biodegradability test is enclosed as Annexure

Issued to: M/S.Provia Organics Private Limited
Survey No.271-Madhav industrial Hub,
Kanera , Kheda-387540, Gujarat
Customer Letter Ref. – dtd 2-5-2024

2 of

AUTHORISED SIGNATORY
Dr. Radhashyam Giri
Technical Officer

AUTHORISED SIGNATORY
S. Udhayamalar
Manager (Tech.)

CPCB

CPCB | LiFE Lifestyle for Environment

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.

Certificate No: CPCB/PROVIVA ORGANICS PRIVATE LIMITED/ Gujarat/726 Dated: 21.04.2025

To,

M/s Proviva Organics Private Limited
Plot No. 44 (Survey No - 271,) Madhav Industrial Hub,
Kanera- 387540 Taluka: Kheda, Dist: Kheda

Sub: Provisional Certificate to manufacturer for Manufacturing / Selling of Compostable Plastics & Carry Bags.

With reference to the application no. **PROVIVA ORGANICS PRIVATE LIMITED/Gujarat/726 dated 16 Apr 2025** this is to certify that **M/s. PROVIVA ORGANICS PRIVATE LIMITED** plant located at **Plot No. 44 (Survey No - 271,) Madhav Industrial Hub, Kanera- 387540 Taluka: Kheda, Dist: Kheda** 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 in Indian Market as '**MANUFACTURER**'.

Certificate for manufacturing and selling of compostable plastic bags and commodities in Indian market is hereby issued to that **M/s. PROVIVA ORGANICS PRIVATE LIMITED** plant located at **Plot No. 44 (Survey No - 271,) Madhav Industrial Hub, Kanera- 387540 Taluka: Kheda, Dist: Kheda** as '**MANUFACTURER**' with the following conditions:

i. The end product "**Compostable plastics**" shall be manufactured using the raw materials **"Compostable starch granules, PLA, PBAT, Other"** and following the production process **(Annexure-I)**

ii. Each carrybags 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 carrybags and commodities shall also have printed code and Certificate Number of **"MANUFACTURER"** as given above.

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 bags 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.

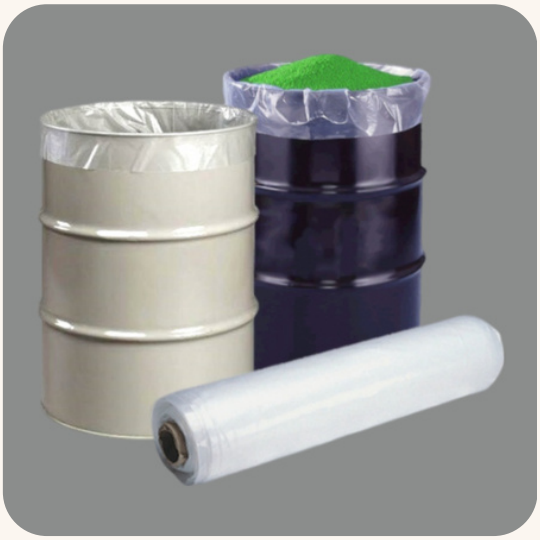
iv. The Manufacturer shall provide six-monthly report giving details of raw material procurement and product sale to SPCB/PCC/CPCB as per the prescribed format.

Contd.....2

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली - 110032.
Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032.
दूरभाष /Tel : 43102030, 22305792, वेबसाइट/Website: www.cpcb.nic.in

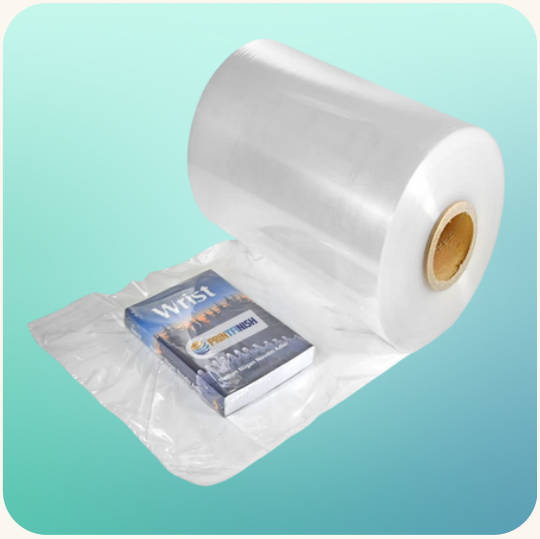
Our samples successfully cleared ISO 17088 biodegradability test at CIPET Chennai, which conducted Disintegration, Aerobic Degradation, Compost Testing, and Heavy Metal Analysis

Product Portfolio



Liner Bag

Micron: 25 to 50
Customization: Size, Printing
Applications: Industrial Packaging, E-Commerce, HORECA



Heat Shrink Film

Micron: 25 to 80
Customization: Size
Applications: Industrial Packaging, E-Commerce, HORECA

Carry & Shopping Bag

Micron: 25 to 75
Customization: Color, Size, Printing
Applications: Retail, HORECA, Office, Residential, Events

Product Portfolio

Garbage Bag

Micron: 15 to 50
Customization: Color, Size, Printing
Applications: Retail, HORECA, Office, Residential, Events, Healthcare

Sleeve/ Pouch

Micron: 25 to 75
Customization: Color, Size, Printing
Applications: Industrial Packaging, Quick/ E-Commerce, Retail, HORECA

Grocery Bag

Micron: 25 to 75
Customization: Color, Size, Printing
Applications: Retail

Product Portfolio

Apparel/ Garment Bag

Micron: 20 to 30
Customization: Color, Size, Printing
Applications: Textile, Fashion

Temper Proof Courier Bag

Micron: 50 to 60
Customization: Color, Size, Printing
Applications: E-commerce, Courier

Pet Poop Bag

Micron: 25
Customization: Color, Size, Printing
Applications: Retail, E-Commerce

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Product Portfolio

Nursery Bag

Micron: 50
Customization: Color, Size, Printing
Applications: Agriculture, Horticulture

Fresh Produce Bag

Micron: 20 to 35
Customization: Color, Size, Printing
Applications: Retail

New Product Development

At Proviva, we constantly strive to embrace new challenges, and support our clients in pushing the boundaries of innovation. Our team is dedicated to understanding and addressing your specific needs, ensuring that our solutions are perfectly aligned with your objectives.

1

IDEATION

Understanding customer's pain point and product needs.

2

CONCEPT CREATION

Defining the product characteristics, feedstock requirement, and price-point.

3

PROTOTYPE AND TESTING

Creating MVP and lab scale testing of the product.

4

VALIDATION/ TRIALS

Conducting market trials and checking viability. Improvisation based on feedback.

5

COMMERCIALIZATION

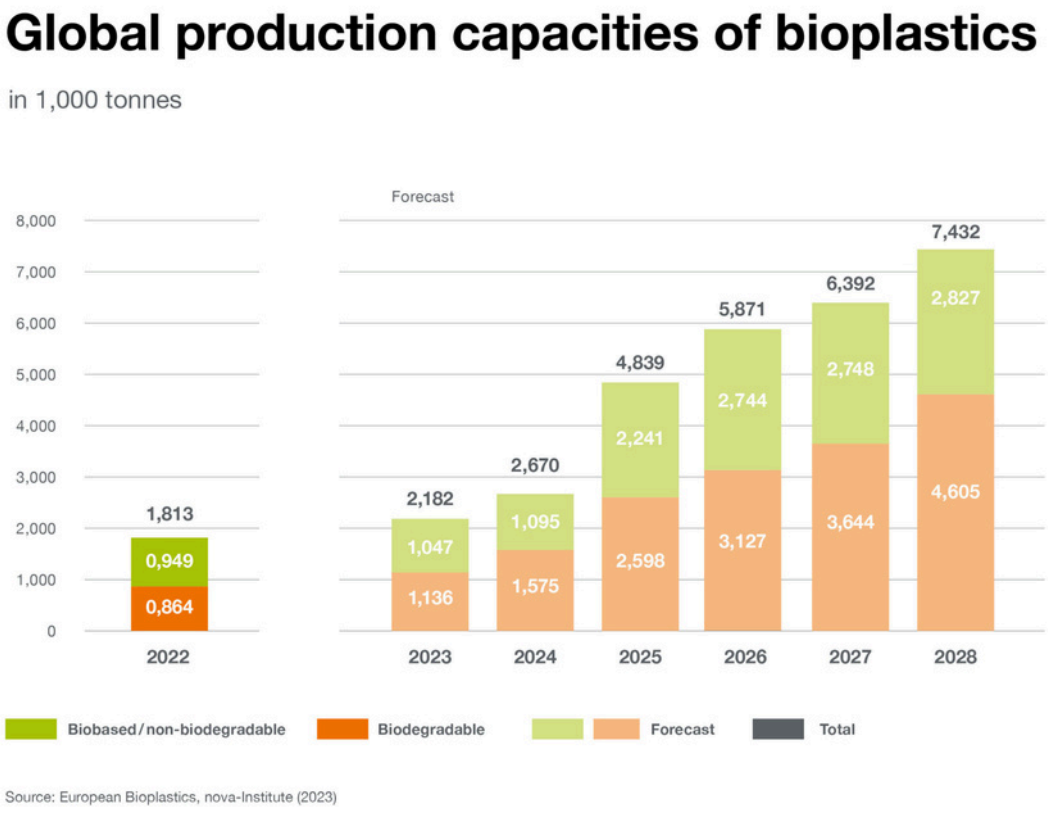
Establishing or scaling up our production capabilities, ensuring quality & volumes.

Market Opportunity

The global bioplastics market size was valued at USD 7.49 billion in 2023 and is projected to grow at a CAGR of 29.0%

Bioplastics are used for an increasing variety of applications, ranging from packaging and consumer products to electronics, automotive, and textiles. Global bioplastics production capacity is set to increase significantly from around 2.18 million tonnes in 2023 to approximately 7.43 million tonnes in 2028.

India Bio Plastics Market size was valued at USD 447.25 Mn in 2023 and the India Bio Plastics Market revenue is expected to reach USD 1809.51 Mn by 2030, at a CAGR of 22.1 % over the forecast period.



Source: European Bioplastics, nova-Institute (2023)

Frequently Asked Questions

01 Can compostable bioplastics replace conventional plastics?

Bioplastics plastics offer the same properties as conventional plastics while also providing the distinct benefit of reducing reliance on fossil resources. Compostable products enhance end-of-life management options as organic recycling becomes a viable end-of-life alternative.

02 Are bioplastics truly compostable?

Confusion around bioplastics is well justified. There are different types of biopolymers such as PLA, PHA, PBAT, TPS, bio-PE, bio-PP, etc. Bioplastics can be biobased or fossil based; compostable and non-compostable. At Proviva, we use a blend of biobased and fossil based biopolymers, which completely turn into compost within 180 days.

03 Are bioplastics allowed under plastic ban/ regulation?

As per Central Pollution Control Board (CPCB) guideline, bioplastic products sold in India have to be certified as per ISO 17088 international standard which conducts Disintegration, Aerobic Biodegradation, Compost Testing and Heavy Metal Analysis tests. Once certified, the products should bear manufacturer details, and are allowed to be sold without any minimum micron regulation.

04 Why are bioplastics more expensive than traditional plastics?

Research and development costs continue to account for a portion of the investment in bioplastics, influencing material and product prices. However, there are several examples of cost competitive bioplastic materials and products. For instance, price per unit is lower for products like compostable bags due to minimum micron regulation.

Proviva
Sustainable Alternatives

Thank You

let's get in touch

Proviva Organics Pvt Ltd

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