

Category of the Industry :

GREEN



CONSENT ORDER NO. 2504166013031 DATED: 22/03/2025.

PROCEEDINGS NO.F.1394GMP/GS/DEE/TNPCB/GMP/W/2025 DATED: 22/03/2025

SUB: Tamil Nadu Pollution Control Board –CONSENT TO OPERATE –After CTE -M/s. JAVAGREEN ECO LLP , S.F.No. 105/1B, 105/2, 105/10B, 105/11B, EGUVARPALAYAM village Gummidipoondi Taluk and Tiruvallur District - Consent for the operation of the plant and discharge of sewage and/or trade effluent under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 6 of 1974) – Issued- Reg. (Industry User ID-G23GMP56236734)

REF: 1. B.P. No.06 dated 02.08.2016 and B P.No.19 dated 03.04.2023
2. CTE Proc.No.F.1394GMP/GS/DEE/TNPCB/GMP/W&A/2024 dated 09.03.2024
3. Unit's application for CTO after CTE through online vide application no. 66013031 on 21.03.2025
4. IR.No:F.1394GMP/GS/AEE/GMP/2025 dated 21.03.2025
5. Minutes of the 150th DLCCC meeting held on 21.03.2025 vide item No (150 - 04)

CONSENT TO OPERATE is hereby granted under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act, 6 of 1974) (hereinafter referred to as "The Act") and the rules and orders made there under to

The Managing Partner
M/s . JAVAGREEN ECO LLP
S.F No. 105/1B, 105/2, 105/10B, 105/11B
EGUVARPALAYAM Village
Gummidipoondi Taluk
Tiruvallur District.

Authorising the occupier to make discharge of sewage and /or trade effluent.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending **March 31, 2028**

P S LIVINGSTON Digitally signed by P S LIVINGSTON
District Environmental Engineer,
Tamil Nadu Pollution Control Board,
GUMMIDIPOONDI

केंद्रीय पेट्रोसायन अभियांत्रिकी एवं
प्रौद्योगिकी संस्थान (सिपेट)

(पूर्व में सेंट्रल इंस्टिट्यूट ऑफ प्लास्टिक्स इंजीनियरिंग एण्ड टेक्नोलॉजी)
इंस्टिट्यूट ऑफ पेट्रोकेमिकल्स टेक्नोलॉजी (आई.पी.टी.)

रसायन एवं पेट्रोसायन विभाग

रसायन एवं उर्वरक मंत्रालय, भारत सरकार

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सिपेट CIPET

परीक्षण रिपोर्ट

TEST REPORT

CENTRAL INSTITUTE OF PETROCHEMICALS
ENGINEERING & TECHNOLOGY (CIPET)

(Formerly Central Institute of Plastics Engineering & Technology)

INSTITUTE OF PETROCHEMICALS TECHNOLOGY (IPT)

Department of Chemicals & Petrochemicals

Ministry of Chemicals & Fertilizers, Govt. of India

HIL Colony, Edayar Road, Pathalam

Udyogamandal P.O., Kochi, Kerala-683 501

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क्र.सं. / SI.No. 11452

ANALYSIS REPORT

Issued to :

M/s. SS Coatings

S.F. No.S/No: 510/1B1 & 1B2

Mannur Village

Sriperumbudur (TK) , Kanchipuram Dist,

Pin: 602105

Page 1 of 4

Test Report No : 24058

Date: 18.04.2024

Customer Ref. No. & date : Letter dt 04.08.2023

Work order Ref.No. : 338/23-24

As per Standard: : As per part C

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)Name of the sample	: Water Based Barrier Coated(Sunshine brand) Paper board Sample as stated by the party
b)Grade / Variety / type / Size / Class etc.	: Nil
c)Code No.	: Nil
d)Quantity (pcs/mtr/gm/nos)	: 2 KGS
e)Mode of Packing (Sealed cartoon/polypouch/container or not)	: Sealed carton
f)Date of receipt of sample	: 18.08.2023
g)Date of Performance of test	: 15.09.2023 -12.04.2024
h)Any other information	: Interim Report No. 231012 dt. 30.01.2024
i)Unique Sample ID	: 2308107

PART B: SUPPLEMENTARY INFORMATION

- a) Reference to sampling procedure : Drawn & Supplied by the party
- b) Supporting documents for : As per part -C
measurements taken and results derived like
graphs, tables, sketches and / or Photographs as
appropriate to test report, if any (to be attached)
- c) Deviation from the test methods as prescribed in : ---
relevant ASTM/ISO/BIS /
Work instructions, if any

Dr. K. P. Bhuvana
Manager (Technical)
Authorized Signatory

Dr. S. Anbudayanidhi
Manager (Technical)
Authorized Signatory

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Continuation Sheet

ANALYSIS REPORT

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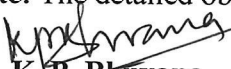
PART C: TEST RESULTS

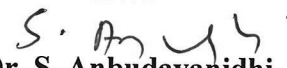
Report No.:24058

Date: 18.04.2024

Sl. No	Name of the test	Test Method/ Standard	Unit	Results Obtained	Specified Requirement as per ISO : 17088- 2021 and ASTM D 6868:2021
Sample details: Water Based Barrier Coated(Sunshine brand) Paper board Sample as stated by the party					
1.	Material Identification	FTIR/DSC	--	Base Material : Paper (Cellulose) Coating: Acrylic based dispersion coating	--
2.	Disintegration (Dry mass remains in 2mm sieve after 84 days)	ISO 20200:2015	%	7.36	Not more than 10% of its original dry mass
3.	Ultimate aerobic biodegradation (with reference to 100% degradation of positive reference)	ISO 14855-1:2012	%	91.45 (at the end of 132 days)	> 90% (At the end of the test period not more than 180 days)
4.	Plant Growth study Monocotyledon(Paddy) % Seed emergence Dicotyledon(Tomato) % Seed emergence	OECD : 208 Guidelines	% %	92 93	> 90% of those from the corresponding blank compost

Note: The detailed observation on biodegradability test is enclosed as Annexure. I


Dr. K.P. Bhuvana
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Authorized Signatory


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Continuation Sheet

ANALYSIS REPORT


Page 3 of 4


PART C: TEST RESULTS

Report No.: 24058

Date: 18.04.2024

Sl. No	Name of the test	Test Method/ Standard	Unit	Results Obtained	Specified Requirement as per ISO : 17088-2021 and ASTM D 6868:2021
5.	Acute Ecotoxic Effects to earthworm				
a.	Survival of adult earthworm at the end of 7 days	ISO 11268-1:2012	%	93	> 90% of those from the corresponding blank compost
b.	Survival of adult earthworm at the end of 14 days		%	96.77	
c.	Biomass at the end of 14 days		%	92.51	
6	Chronic Ecotoxic Effects to earthworm				
a.	Survival of adults earthworm at the end of 28 days	ISO 11268-2:2023	%	95.50	> 90% of those from the corresponding blank compost
b.	Offspring at the end of 56 days		%	91.92	
c.	Biomass at the end of 56 days		%	92.84	


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Continuation Sheet

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Page 4 of 4

PART C: TEST RESULTS

Report No.: 24058


Date: 18.04.2024

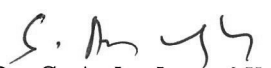
Sl. No.	Property	Test method / Standard	Unit	Results obtained	Specified Requirements (Max.) as per IS 17899 T:2022
7.	Heavy Metal Analysis (on dry mass basis)				
	Arsenic (As)	IS 3025 (Part 37):2022	mg / kg	0.0248	10
	Copper (Cu)	IS 3025 (Part 42):1992		1.4580	300
	Nickel (Ni)	IS 3025 (Part 54):2003		1.2608	50
	Zinc (Zn)	IS 3025 (Part 49):1994		1.3482	1000
	Chromium (Cr)	IS 3025 (Part 52):2003		0.8163	50
	Mercury (Hg)	IS 3025 (Part 48):1994		0.0341	0.15
	Cadmium (Cd)	IS 3025 (Part 41):2023		1.2605	5
	Lead (Pb)	IS 3025 (Part 47):1994		1.3092	100

PART D: REMARKS: NIL

Note

1. This Test Report / Certificate is issued only for the samples submitted to the laboratory.
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 the laboratory within 30 days from the date of issue.
6. Subcontracted Tests (if any): S.No.1


Dr. K. P. Bhuvana
Manager (Technical)
Authorized Signatory


Dr. S. Anbudayanidhi
Manager (Technical)
Authorized Signatory



Certificate No: CPCB-UPC-II/SS Coatings/Tamil Nadu/374

Dated: 04-06-2024

To,

M/s SS Coatings
Survey Number 510 / 1B1 and 1B2, Mannur Nemili Road,
Mannur Village, Sriperumbudur Taluk, Kanchipuram District

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

With reference to the application no. **SS Coatings/Tamil Nadu/374** dated **31 May 2024** this is to certify that **M/s SS Coatings** plant located at **Survey Number 510 / 1B1 and 1B2, Mannur Nemili Road, Mannur Village, Sriperumbudur Taluk, Kanchipuram District** 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 **M/s SS Coatings** plant located at **Survey Number 510 / 1B1 and 1B2, Mannur Nemili Road, Mannur Village, Sriperumbudur Taluk, Kanchipuram District** as '**MANUFACTURER**' with the following conditions:

- The end product "**Compostable plastics**" shall be manufactured using the raw materials "**Bio degradable resin**" and following the production process (**Annexure I**).
- 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**".
- 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.
- 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.

Dr. Jyoti

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वैज्ञानिक 'एफ' / Scientist 'F'
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Central Pollution Control Board
(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार)
(Ministry of Environment, Forest & Climate Change, Govt. of India)
परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली-110032
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Contd....2

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Parivesh Bhawan, East Arjun Nagar, New Delhi - 110032

दूरभाष/Tel: 43102030, 22305792, वेबसाइट/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

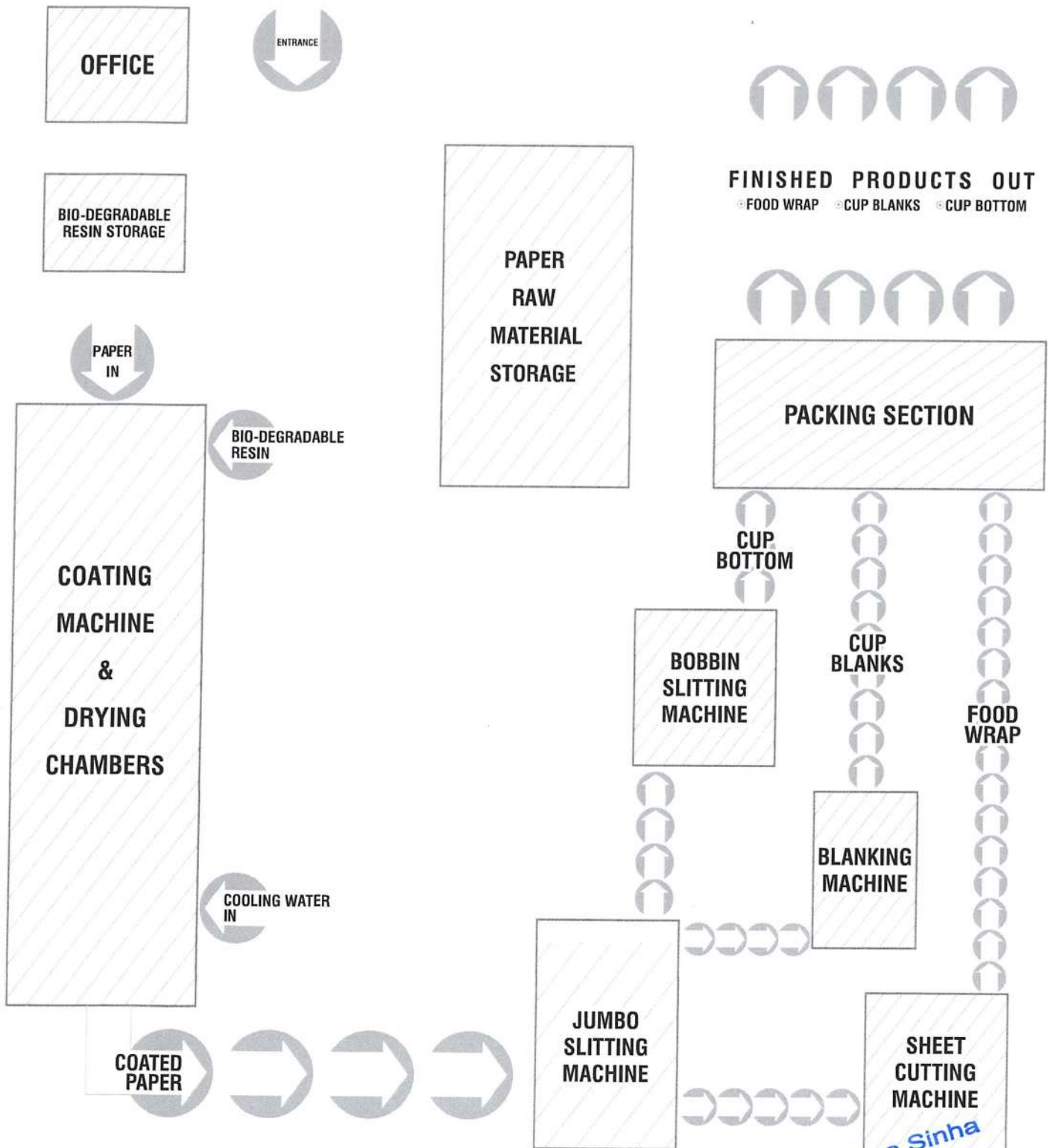
(Divya Sinha)

Director & I/c UPC-II

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PROCESS FLOW CHART

SS COATINGS, Mannur-Nemili Road, Sriperumbudur - 602105. TN



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