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100% Non Plastic Paper Trays

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Premium Bio paper products
Palakkad, Kerala, India

Customer Care: +919947228855

Test Report**Report No : TUV(I)/BLR-609/25-26/9052510492 Part A**

Date : 29 May 2025

Name and address of customer : **Tamil Nadu Newsprint and Papers Ltd - Unit II**
(A Government of Tamil Nadu Enterprise)
Mondipatti, K. Periyapatti Post,
Manapparai Taluk,
Tiruchirappalli Dist,
Tamilnadu-621306.

Name of the sample : **Solid Bleached Sulphate Board**

Batch Code : **AFT,AFS,ASU,ASN,ASP**

CA No. : 9052510492

Date of sample receipt : 12 May 2025

Date(s) of analysis : 12 May 2025 - 29 May 2025

Discipline : Chemical

Objectives Of Examination : 1.To test for compliance with US FDA 21.CFR.176.170 & 176.180-
Chloroform - soluble extractive residues test.

Sample drawn by : Customer

Test Requested : Selected test(s) as requested by client.

Result Summary

:

Test Requested	Conclusion
1.US FDA 21.CFR.176.170 - Chloroform - soluble extractive residues test	Pass

Report No : TUV(I)/BLR-609/25-26/9052510492 Part A

Date : 29 May 2025

1.US FDA 21.CFR.176.170 - Chloroform - soluble extractive residues test

Sr. No.	Total Extractive Test Using Simulants	Temperature & Condition	Result	Unit	LOQ	Limits as per US FDA 21.CFR.176.170	Test Method
1	Distilled Water	120 °F-24hr	< LOQ	mg/inch ²	0.25	0.5	Based on TUVB/02/SOP/27 USFDA 21.CFR.176.170 & 176.180
2	8 % Ethanol	120 °F-24hr	< LOQ	mg/inch ²	0.25	0.5	
3	50 % Ethanol	120 °F-24hr	< LOQ	mg/inch ²	0.25	0.5	
4	n - Heptane	70 °F- 0.5hr	< LOQ	mg/inch ²	0.25	0.5	

Note :

- 1) Sample **Complies** with US.FDA 21.CFR.176.170 for above tested parameters.
- 2) Sample kept in contact with Simulants above test condition.
- 3) Limits are as per USFDA 21.CFR.176.170
- 4) **LOQ : Limit of Quantification**
- 5) **Sample Complies with US. FDA 21.CFR.176.170 as per amendment regulation April 1,2020 for above tested parameters. USFDA 21 CFR 176.180 Componets of paper and paperboard in contact with dry food.Test simulants selected as per US FDA 21.CFR.176.170 for dry food contact with paper and paperboard.**

Sample image is authentic only for the original test report

Authorized by



Gunavathy M K
Dy General Manager – Operations

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8. For Biological and mycotoxin Analysis: Our analytical findings reflect the quality of the sample at the time of testing. No responsibility can be accepted for the possible consequences of further development of micro-organisms or mycotoxin which may depend upon storage, handling & weathers conditions which may influence the results at a later date/time respectively.
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10. For Pesticide Residue analysis, reported value at LOQ level may vary within analytical variation of 50% considering Uncertainty of Measurement.

End of Report

Test Report**Report No : TUV(I)/BLR-609/25-26/9052510492 Part B**

Date : 29 May 2025

Name and address of customer : **Tamil Nadu Newsprint and Papers Ltd - Unit II**
(A Government of Tamil Nadu Enterprise)
Mondipatti, K. Periyapatti Post,
Manapparai Taluk,
Tiruchirappalli Dist,
Tamilnadu-621306.

Name of the sample : **Solid Bleached Sulphate Board**

Batch Code : **AFT,AFS,ASU,ASN,ASP**

Lab sample Id No. : 9052510492

Date of sample receipt : 12 May 2025

Date(s) of analysis : 12 May 2025 - 29 May 2025

Discipline : Chemical

Products Category : Food Contact & Food Packaging Materials

Objectives Of Examination : **FSSAI - Food Safety and standard (Packaging) Regulation**
1) To test for compliance with IS-6615: 1972 (RA-2009) for Heavy Metal, PCP & PCB Content

Regulation Requirement :
To test for compliance with IS-6615: 1972 (RA-2009), Paper Board material & article intended to come in contact with Foodstuffs as per FSSAI Food Packaging Regulation.

Sample drawn by : Customer

Conclusion	The Submitted sample Conforms with IS 6615: 1972 (Reaffirmed 2009) for Cadmium, Hexavalent Chromium, Lead, Mercury, Pentachlorophenol & Polychlorinated biphenyl_PCB test parameters.
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Refer further pages for Test Result

Report No : TUV(I)/BLR-609/25-26/9052510492 Part B

Date : 29 May 2025

Sr. No.	Name of Test	Result	LOQ	Unit	Limits as per IS 6615: 1972 (Reaffirmed 2009)	Test Method
1	Cadmium - Cd	< LOQ	0.25	mg/kg	0.5	Based on IS 6615: 1972 (Reaffirmed 2009)
2	Lead – Pb	< LOQ	0.25	mg/kg	3.0	
3	Mercury – Hg	< LOQ	0.25	mg/kg	0.3	
4	Hexavalent Chromium – Cr (VI)	< LOQ	0.05	mg/kg	0.1	
5	Pentachlorophenol Content	< LOQ	0.025	mg/kg	0.05	
6	Polychlorinated biphenyl _PCB Content	< LOQ	0.3	mg/kg	2.0	

Name of the PCBs Compounds Analysed

2-CHLOROBIPHENYL
 3,3',-DICHLOROBIPHENYL
 2,4,5-TRICHLOROBIPHENYL
 2,2',4,4TETRACHLOROBIPHENYL
 2,3,4,5,6-PENTACHLOROBIPHENYL
 2,2',3,3',6,6'-HEXACHLOROBIPHENYL
 2,2',3,4,5,5',6,-HEPTACHLOROBIPHENYL
 2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL
 2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL
 2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL

Note: LOQ-Limit of Quantification

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Gunavathy M K

Dy. General Manager – Operations

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- This Report is exclusively for the use of the customer whose name and address is indicated above. No third party can derive rights against the company on the basis of this report. No third party has any right to raise any claims on the company.
- For Biological and mycotoxin Analysis: Our analytical findings reflect the quality of the sample at the time of testing. No responsibility can be accepted for the possible consequences of further development of micro-organisms or mycotoxin which may depend upon storage, handling & weathers conditions which may influence the results at a later date/time respectively.
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- For Pesticide Residue analysis, reported value at LOQ level may vary within analytical variation of 50% considering Uncertainty of Measurement.

Test Report

Report No : TUV(I)/BLR-609/25-26/9052510492 Part C

Date : 29 May 2025

Name and address of customer : **Tamil Nadu Newsprint and Papers Limited - Unit II**
(A Government of Tamil Nadu Enterprise)
Mondipatti, K. Periyappatti Post,
Manapparai Taluk, Tiruchirappali District, Tamil Nadu - 621306
Tiruchirappali, Tamil Nadu
621306

Name of the sample : **Solid Bleached Sulphate Board**

Batch Code : **AFT,AFS,ASU,ASN,ASP**

CA No. : 9052510492

Date of sample receipt : 12 May 2025

Date(s) of analysis : 12 May 2025 - 29 May 2025

Objectives Of Examination : **To test for compliance with BFR XXXVI regulation & EC No: 1907/2006.**
1) Heavy metal
2) Specific Migration of Phthalates
3) Monochloropropanediol (MCPD)
4) Dichloropropanol (DCP)
5) Specific Migration of Primary Aromatic Amines
6) Azo Dyes
7) Specific Migration of Glyoxal
8) Optical Brightners
9) Nonyl Phenol Ethoxylate (NPEO)
10) Acrylamide
11) Anti Microbial Substances
12) Specific Migration of Bisphenol A
13) Specific Migration of Dimethylamine

Test Requested : Selected test(s) as requested by Customer

Sample drawn by : Customer

Conclusion :

The submitted sample To test for BFR XXXVI Regulation, EC No: 1907/2006

For detail Test Results refer further pages

Report No : TUV(I)/BLR-609/25-26/9052510492 Part C
Date : 29 May 2025
1) Heavy metal test

Sr. No.	Name of Test	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
1.1	Lead (Pb)	< LOQ	mg/kg	0.1	Max 3	Based on EN-647 Determined by ICP-OES
1.2	Cadmium (Cd)	< LOQ	mg/kg	0.1	Max 0.5	
1.3	Mercury (Hg)	< LOQ	mg/kg	0.1	Max 0.3	
1.4	Chromium (VI)	< LOQ	mg/kg	0.1	Not Detectable	

Note: The sample Complies above test parameter as per BfR XXXVI Regulation.

LOQ : Limit of Quantification

2) Specific Migration of Phthalates

Sr. No.	Name of Test Parameter	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
2.1	Diethylhexyl phthalate	< LOQ	mg/kg	0.1	Max 1.5	Method based on BS EN 13130 (P1) 2004) by GC-MS
2.2	Di-n-butyl phthalate	< LOQ	mg/kg	0.1	Max 0.3	
2.3	Diisobutyl phthalate	< LOQ	mg/kg	0.1	Max 0.3	
2.4	The sum of Di-n-butyl phthalate & Diisobutyl phthalate	< LOQ	mg/kg	0.1	Max 0.3	
2.5	Dipentyl phthalate	< LOQ	mg/kg	0.1	Max 0.3	
2.6	Dicyclohexyl phthalate	< LOQ	mg/kg	0.1	Max 0.3	
2.7	Di-isononyl phthalate	< LOQ	mg/kg	0.1	Max 0.3	
2.8	Di-n-hexyl phthalate	< LOQ	mg/kg	0.1	Max 0.3	

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation

LOQ : Limit of Quantification

Report No : TUV(I)/BLR-609/25-26/9052510492 Part C

Date : 29 May 2025

3) Monochloropropanediol (MCPD) **

Sr. No.	Name of Test	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
3.1	Monochloropropanediol (MCPD)	Absent	µg/kg	10	12.00	Determined by GC-MSMS

The sample Complies above test parameter as per BfR XXXVI Regulation.

LOQ : Limit of Quantification

Note: **- Above tests are subcontracted to other Laboratory

4) Dichloropropanol (DCP) **

Sr. No.	Name of Test	Result	Unit	LOD/LOQ	Limits as per Standard	Test Method
4.1	Dichloropropanol (DCP)	Absent	mg/kg	0.01	Not Detectable	Determined by GC-MSMS

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation

LOQ : Limit of Quantification

Note: **- Above tests are subcontracted to other Laboratory

5) Specific Migration of Primary Aromatic Amines

Sr. No.	Name of Test	Result	Unit	Detection Limit	Limits as per Standard	Test Method
5.1	Specific Migration of Primary Aromatic Amines	Not Detected	mg/kg	0.01	0.01	Method based on BS EN 13130(P1) 2004) Determined by GC MSMS

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation

6) Azo Dyes

Sr. No.	Name of Test	Result	Unit	Detection Limit	Limits as per Standard	Test Method
6.1	Azo Dyes	Not Detected	mg/kg	0.01	Prohibited	Based on EN 14362-1 Determined by GC MSMS

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation

7) Specific Migration of Glyoxal

Sr. No.	Name of Test	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
7.1	Specific Migration of Glyoxal	Absent	mg/dm ²	1.0	NMT 1.5	Determined by GCMS/LCMS

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation

LOQ : Limit of Quantification

Note: **- Above tests are subcontracted to other Laboratory

8) Optical Brightners

Sr. No.	Name of Test	Result	Limits as per Standard	Test Method
8.1	Optical Brightners (Fluorescent Substances of Wavelength 254 to 465 nm)	No optical Brightners Absorbed @ 254 to 465 nm	No visible transfer	Determined by UV Visible Spectrophotometer Based on EN 648

Note: The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation.

9) Nonyl Phenol Ethoxylate (NPEO)**

Sr. No.	Name of Test	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
9.1	Nonyl Phenol Ethoxylate (NPEO)	Not Detected	mg/kg	1.000	Not Detectable	BSEN ISO 18254-1:2016, ISO/DIS 18218-2 :2012 (Solvent Extraction, Analysis by LC/MS)

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation

LOQ : Limit of Quantification

10) Acrylamide

Sr. No.	Name of Test	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
10.1	Acrylamide	< LOQ	mg/kg	0.025	Not Detectable	Determined by UPLC MS/MS

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation

LOQ : Limit of Quantification

Report No : TUV(I)/BLR-609/25-26/9052510492 Part C

Date : 29 May 2025

11) Microbiological test

Sr. No.	Name of Test Parameter	Result	Unit	Limits as per BfR XXXVI	Test Method
1.1	Antimicrobial Substances Bacillus subtilus NCIM 2063 Aspergillus niger NCIM 1196	Absence of zone inhibition	--	Absence of zone inhibition*	BS EN 1104:2005

*- Absence of zone of inhibition indicates should not release substances in quantities which have an antimicrobial effect in the Product against tested bacteria and fungi.The sample **Complies** above test parameter as per BfR XXXVI Regulation.

12) Specific Migration of Bisphenol A

Sr. No.	Name of Test	Result	Unit	LOQ	Limits as per BfR XXXVI	Test Method
12	Specific Migration of Bis Phenol A	< LOQ	mg/kg	0.025	Max 0.050	Cold water extract Followed by LC-MS/MS

The sample Complies above test parameter as per BfR XXXVI Regulation.
LOQ : Limit of Quantification

13) Specific Migration of Dimethylamine **

Sr. No.	Name of Test	Result	Unit	Limits as per BfR XXXVI	Test Method
13	Specific Migration of Dimethylamine	Absent	mg/dm ²	Not Detectable	Determined by GC MS/MS

The sample Complies above test parameter as per BfR XXXVI Regulation.Limits as per the BfR XXXVI Regulation
LOQ : Limit of Quantification
Note: **- Above tests are subcontracted to other Laboratory

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Gunavathy M K

Dy. General Manager-Operations

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End of Report

Page 6 of 6

FILE NO : KSPCB/PL/ICO/10094151/2025

Date of issue : 17-02-2025



KERALA STATE POLLUTION CONTROL BOARD

CONSENT TO

OPERATE/AUTHORISATION/REGISTRATION

ISSUED UNDER

The Water (Prevention & Control of Pollution) Act, 1974

The Air (Prevention & Control of Pollution) Act, 1981

and

The Environment (Protection) Act, 1986

As per Application No. : 10094151

Dated : 31-01-2025

To

PREMIUM BIO PAPER PRODUCTS

13/386A,ANNAKKARA,NEAR HIGH SCHOOL,ANAKKARA PO:679551,PALAKKAD

Consent No. : KSPCB/PL/ICO/10094151/2025

Valid Upto : 15-01-2030



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-UPC-II/Tamilnadu Newsprint and Papers Limited/ Dated: 18.01.2024
Tamil Nadu/307

To,

M/s Tamilnadu Newsprint and Papers Limited
Mondipatti Village, K. Periyapatti Post, Manapparai Taluk - 621306, Tiruchirappalli
District, TamilNadu

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

With reference to the application no. Tamilnadu Newsprint and Papers Limited/Tamil Nadu/307 dated 16 Jan 2024 this is to certify that M/s Tamilnadu Newsprint and Papers Limited plant located at Mondipatti Village, K. Periyapatti Post, Manapparai Taluk - 621306, Tiruchirappalli District, TamilNadu 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 and commodities in Indian market is hereby issued to that M/s Tamilnadu Newsprint and Papers Limited plant located at Mondipatti Village, K. Periyapatti Post, Manapparai Taluk - 621306, Tiruchirappalli District, TamilNadu as 'MANUFACTURER' with the following conditions:

- The end product "Compostable plastics and Commodities" shall be manufactured using the raw materials "Cellulose compounds, Other" 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.

Dy.
दिव्या सिन्हा / Divya Sinha
वैज्ञानिक 'एफ' / Scientist 'F'
केन्द्रीय प्रदूषण नियंत्रण बोर्ड
Central Pollution Control Board
(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार)
Min. Environment, Forest & Climate Change, Govt. of India
परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली-110032

Contd....2

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

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