



25 years of success

# J. M. ENVIROLAB PVT. LTD.



Approved from MoEF&amp;CC &amp; Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

## TEST REPORT

Sample Number	<b>JME/NPL/ST/01</b>	Report No.:	<b>JME/ST/230318005</b>
Name & Address of Unit:	<b>M/s. Naini Papers Ltd. (PM-1) at 7th K.M. Stone, Kashipur, Moradabad Road, Tehsil- Jaspur, District- Udham Singh Nagar, Uttarakhand</b>	Format No.	<b>7.50 F-03</b>
Sample Description:	<b>STACK EMISSION MONITORING</b>	Party Reference No.	<b>Nil</b>
		Reporting Date	<b>23/03/2023</b>
		Receipt Date	<b>18/03/2023</b>
Client Representative (Name & Designation)	<b>Mr. Deepak Jindal (DGM)</b>		
Sample collected by	<b>Mr. Kamal Kumar (Field Coordinator)</b>		
Date of Sampling & Time	<b>16/03/2023 (10:40 to 11:40 Hrs.)</b>		
Sampling Location & Code	<b>Boiler (Capacity 22 &amp; 25 TPH)</b>		
Sampling duration (Minutes)	<b>60 min.</b>		
Stack attached to	<b>Boiler</b>		
Make of Stack	<b>Brick</b>		
Diameter of stack	<b>1.5 meter</b>		
Height of stack			
(i) From the source of emission	<b>20 meter</b>		
(ii) From roof level	<b>-</b>		
(iii) From Ground level	<b>45.0 meter</b>		
Operating Schedule (Hrs/day)	<b>24 Hrs.</b>		
Purpose of Monitoring	<b>Regulatory Requirement</b>		
Control measure if any	<b>ESP</b>		
Operating condition at the time of Sampling	<b>On Load</b>		
Type of fuel used	<b>Bagasse &amp; Rice Husk</b>		
Meteorological Condition	<b>Clear Sky</b>		
Instrument code	<b>JME/SMK/01/17</b>		
Instrument calibration status	<b>Calibrated</b>		
Ambient Temperature - Ta (°C)	<b>24.0</b>		
Temperature of Stack Gases - Ts (°C)	<b>140.0</b>		
Velocity of Stack Gases (m/sec.)	<b>7.54</b>		
Flow rate of PM (LPM)	<b>21.0</b>		
Flow rate of Gas (LPM)	<b>2.0</b>		
Volumetric Flow (NM <sup>3</sup> /Hr.)	<b>33364</b>		
Sampling condition	<b>Isokinetic</b>		
Sampling & Analysis Protocol	<b>IS-11255 &amp; CPCB Guidelines</b>		
Parameter Required	<b>As per work order</b>		

### TEST RESULTS

S. No.	Parameters	Protocol	Result	Unit	Limit
1.	Particulate Matter	IS-11255(P- 1) Gravimetric Method	108.45	mg/Nm <sup>3</sup>	150
2.	Oxides of Nitrogen	IS-11255 (P-VII)PDA Method	94.15	mg/Nm <sup>3</sup>	--
3.	Sulphur Dioxide	IS-11255 (P-II) Titrimetric Method	155.46	mg/Nm <sup>3</sup>	--

Note: Limit as per Schedule I at Sr. No. (34) of EPA, 1986.

\*\*End of Report\*\*

*Pooja*  
Pooja

Tested by

*Kumari Aparna*  
Kumari Aparna

Checked by

*Sita Ram Yadav*  
Sita Ram Yadav

Authorized Signatory

Reg. Office &amp; Lab.

424, Ground Floor, Udyog Vihar,  
Phase-IV, Gurugram-122015 (Haryana)  
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Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517,  
Golf Course Ext. Road, Sector-61,  
Gurugram-122011(Haryana)

Note:

- This test report has been at your request and test results pertain to the tested sample received.
- This report is for your reference only and not to be used for any legal purpose.
- Any discrepancy in the test report or any remarks regarding the test results shall be brought to our knowledge within 7 days of the issue of this report.
- Total liability or any claim in case of dispute is limited to the invoice raised by the laboratory.
- The sample will be destroyed after retention time unless otherwise specified specially.
- Endorsement of the product tested by the laboratory is neither inferred nor implied.
- Report shall not be reproduced except in full without approval of the laboratory.
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25 years of success

# J.M. ENVIROLAB PVT. LTD.

CIN No. -U7420HR2011PTC085756



Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

## TEST REPORT

Sample Number	<b>JME/NTL/ST/02</b>	Report No.:	<b>JME/ST/230316005</b>
Name & Address of Unit:	<b>M/s. Naini Papers Ltd. (PM-2) at 7th K.M. Stone, Kashipur, Moradabad Road, Tehsil- Jaspur, District- Udham Singh Nagar, Uttarakhand</b>	Format No.	<b>7.50 F-03</b>
Sample Description:	<b>STACK EMISSION MONITORING</b>	Party Reference No.	<b>Nil</b>
		Reporting Date	<b>23/03/2023</b>
		Receipt Date	<b>16/03/2023</b>

  

Client Representative (Name & Designation)	<b>Mr. Deepak Jindal (DGM)</b>
Sample collected by	<b>JMELPL Team</b>
Date of Sampling & Time	<b>13/03/2023 (12:25 to 13:25 Hrs.)</b>
Sampling Location & Code	<b>Boiler No. 2 (Capacity 24 TPH)</b>
Sampling duration (Minutes)	<b>60 min.</b>
Stack attached to	<b>Boiler</b>
Make of Stack	<b>Brick Wall</b>
Diameter of stack	<b>1.5 meter</b>
Height of stack	
(i) From the source of emission	<b>--</b>
(ii) From roof level	<b>--</b>
(iii) From Ground level	<b>45.0 meter</b>
Operating Schedule (Hrs/day)	<b>24 Hrs.</b>
Purpose of Monitoring	<b>Regulatory Requirement</b>
Control measure if any	<b>ESP</b>
Operating condition at the time of Sampling	<b>On Load</b>
Type of fuel used	<b>Bagasse &amp; Rice Husk</b>
Meteorological Condition	<b>Clear Sky</b>
Instrument code	<b>JME/SMK/01/17</b>
Instrument calibration status	<b>Calibrated</b>
Ambient Temperature - Ta (°C)	<b>29.0</b>
Temperature of Stack Gases - Ts (°C)	<b>126.0</b>
Velocity of Stack Gases (m/sec.)	<b>6.47</b>
Flow rate of PM (LPM)	<b>18.5</b>
Flow rate of Gas (LPM)	<b>2.0</b>
Volumetric Flow (NM <sup>3</sup> /Hr.)	<b>29634</b>
Sampling condition	<b>Isokinetic</b>
Sampling & Analysis Protocol	<b>IS-11255 &amp; CPCB Guidelines</b>
Parameter Required	<b>As per work order</b>

### TEST RESULTS

S. No.	Parameters	Protocol	Result	Unit	Limit
1.	Particulate Matter	IS-11255(P- I) Gravimetric Method	81.45	mg/Nm <sup>3</sup>	150
2.	Oxides of Nitrogen	IS-11255 (P-VII)PDA Method	88.65	mg/Nm <sup>3</sup>	--
3.	Sulphur Dioxide	IS-11255 (P-II) Titrimetric Method	106.98	mg/Nm <sup>3</sup>	--

Note: Limit as per Schedule I at Sr. No. (34) of EPA, 1986.

**\*\*End of Report\*\***

*Pooja*  
**Pooja**  
Tested by

*Kumari Anama*  
**Kumari Anama**  
Checked by

*Sita RANDEYADAV*  
**Sita RANDEYADAV**  
Authorized Signatory

**Reg. Office & Lab.**

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**Corporate Office**

Emaar Digital Greens, Tower-B, Unit No.1517,  
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# J.M. ENVIROLAB PVT. LTD.

CIN No. :U74220HR2011PTC085756



Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

## TEST REPORT

Sample Number	JME/NTL/ST/01	Report No.:	JME/ST/230316004
Name & Address of Unit:	M/s. Naini Papers Ltd. (PM-2) at 7th K.M. Stone, Kashipur, Moradabad Road, Tehsil- Jaspur, District- Udham Singh Nagar, Uttarakhand	Format No.	7.50 F-03
Sample Description:	STACK EMISSION MONITORING	Party Reference No.	Nil
		Reporting Date	23/03/2023
		Receipt Date	16/03/2023

Client Representative (Name & Designation)	Mr. Deepak Jindal (DGM)
Sample collected by	JMELPL Team
Date of Sampling & Time	13/03/2023 (10:35 to 11:35 Hrs.)
Sampling Location & Code	Boiler No. 2 (Capacity 22 TPH)
Sampling duration (Minutes)	60 min.
Stack attached to	Boiler
Make of Stack	Brick
Diameter of stack	1.5 meter
Height of stack	
(i) From the source of emission	--
(ii) From roof level	--
(iii) From Ground level	45.0 meter
Operating Schedule (Hrs/day)	24 Hrs.
Purpose of Monitoring	Regulatory Requirement
Control measure if any	ESP
Operating condition at the time of Sampling	On Load
Type of fuel used	Bagasse & Rice Husk
Meteorological Condition	Clear Sky
Instrument code	JME/SMK/01/17
Instrument calibration status	Calibrated
Ambient Temperature - Ta (°C)	24.0
Temperature of Stack Gases - Ts (°C)	135.0
Velocity of Stack Gases (m/sec.)	7.15
Flow rate of PM (LPM)	20.1
Flow rate of Gas (LPM)	2.0
Volumetric Flow (NM3/Hr.)	32026
Sampling condition	Isokinetic
Sampling & Analysis Protocol	IS-11255 & CPCB Guidelines
Parameter Required	As per work order

### TEST RESULTS

S. No.	Parameters	Protocol	Result	Unit	Limit
1.	Particulate Matter	IS-11255(P- I) Gravimetric Method	75.12	mg/Nm3	150
2.	Oxides of Nitrogen	IS-11255 (P-VII)PDA Method	71.02	mg/Nm3	--
3.	Sulphur Dioxide	IS-11255 (P-II) Titrimetric Method	95.78	mg/Nm3	--

Note: Limit as per Schedule I at Sr. No. (34) of EPA, 1986.

\*\*End of Report\*\*

*Joys*  
Pooja  
Tested by

*Staura*  
Kumari Aparna  
Checked by

*Sita Ram Yadav*  
Sita Ram Yadav  
Authorized Signatory

Reg. Office & Lab.

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Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.  
Contact No.: 9711159210, 9810240837, 9810240678 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

**TEST REPORT****Stack Emission Analysis**

Test Report No. : EKO/141/090822

Issue Date : 19/08/2022

Issued To : NAINI PAPERS LIMITED (PM-2),  
7th Km Stone  
Moradabad Road  
Kashipur (U.K.)

Sample Description : Stack Emission  
Sample Drawn on : 08/08/2022  
Sample Drawn by : EPEPL (Mr. Chandan Sharma)  
Sample Received on : 09/08/2022  
Time of Sampling (minutes) : 30.0  
Sampling Location : NA  
Sampling Plan & Procedure : SOP-SE/09  
Analysis Duration : 09/08/2022 To 13/08/2022  
Source of Emission : Stack Attached To Boiler  
Capacity : 60.0 TPH  
Operating Load : Normal  
Normal Operation Schedule : 24.0 Hrs.  
Type of Stack : R.C.C/Circular  
Diameter of Stack (meter) : 1.8  
Height of Stack from Ground Level (meter) : 60.0  
Height of Stack from Roof Level (meter) : -  
Height of Sampling Location (meter) : 31.0 From Ground Level  
Type of Fuel Used : Rice Husk Baggasse & Wooden Chips  
Fuel Consumed per hour : -  
Ambient Temperature (°C ) : 33.0  
Stack Temperature (°C ) : 107.0  
Average Velocity of Flue Emission (m/sec) : 7.4  
Average Flow Rate (lpm) : 22.6  
Control Measures (if any) : ESP  
Remark (if any) : Quantity of Emission (Nm<sup>3</sup>/hr) = 53185.87

**RESULTS**

S. No.	Parameters	Test Methods	Results	Units	Limits as per EPA-1986 Schedule -VI Part-D
1	Particulate Matter (as PM)	IS: 11255 (P-1)	45.9	mg/Nm <sup>3</sup>	150.0
2	Sulphur Dioxide (as SO <sub>2</sub> )	IS: 11255 (P-2)	26.7	mg/Nm <sup>3</sup>	-
3	Oxide of Nitrogen (as NO <sub>x</sub> )	IS: 11255 (P-7)	106.4	mg/Nm <sup>3</sup>	-
4	Carbon Monoxide (as CO)	IS: 13270	0.43	% V/V	1.0
5	Lead (as Pb)	USEPA (P-12)	<1.0	mg/Nm <sup>3</sup>	10.0

**Notes :**

1. The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**\*\* End of Report \*\***

For EKO PRO ENGINEERS PVT. LTD.  
GHAZIABAD  
\* PURNIMA CHAUDHAN  
TECHNICAL MANAGER  
(Authorised Signatory)