



# ABNS Scientific Services

Phone : 98640 68513, 9864089951

E-mail : bidyut951@gmail.com

Monitoring, Quality Control, Survey & Environmental Consultancy

(Pollution Control Board, Assam recognized Laboratory)

H/No.152, Padumbari, Jalukbari, Guwahati-781011, Dist- Kamrup (M), Assam

## TEST REPORT

### Name & Address of the Customer:

**M/S ADITI INDUSTRIES**

Vill: Hatigaon, PO: Koliabor,

Dist-Nagaon, Assam.

**Report No. : ABNS/EM/031221/08**

**Date : 12/03/2021**

Sample Description: Factory WASTE WATER

Ref.: ABNS/GHY/EM/030621/05

**Date of receipt of sample: 07/03/2021**

### ANALYSIS RESULT

Sl. No.	Water Quality PARAMETERS	UNIT	RESULT	REFERENCE METHOD	Permissible limit (CPCB)
1.	pH	-	<b>8.12</b>	IS 3025 (Part 11)1983 (Reaffirmed 2017)	5.5 – 9.0
2.	Total Suspended Solids (TSS)	mg/L	<b>52.0</b>	IS 3025 (Part 17)1984 (Reaffirmed 2017)	100mg/L
3.	Total Dissolved Solids (TDS)	mg/L	<b>736.0</b>	IS 3025 (Part 16)1984 (Reaffirmed 2017)	2100mg/L
4.	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/L	<b>32.5</b>	IS 3025 (Part 34)	100mg/L
5.	BOD	mg/L	<b>23.0</b>	IS 3025 (Part 44)1993 (Reaffirmed 2019)	30mg/L
6.	COD	mg/L	<b>128.0</b>	IS 3025 (Part 58)2006: Reaffirmed 2017	250mg/L
7.	Oil and grease	mg/L	<b>7.4</b>	IS 3025 (Part 39)1991 (Reaffirmed 2019)	10mg/L

*Note: The results relate to the parameter tested only.*

**For ABNS Scientific Services,**

Report checked By: Dr. Bidyut J Sarmah (TM)

Authorized Signatory



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### TEST REPORT

**Name & Address of the Customer:****M/S ADITI INDUSTRIES**

Vill: Hatigaon, PO: Koliabor,

Dist-Nagaon, Assam.

**Report No. : ABNS/EM/031221/01****Date : 12/03/2021****Sample Description: AMBIENT AIR***Ref.: ABNS/GHY/EM/030621/05*

### ANALYSIS RESULT

Location		Near Main Gate			latitude	longitude
Date of sampling		06/03/2021			26°32'1.518"N	92°55'56.334"E
		Weather			Clear	
SI No	Parameters	Unit	RESULT	LIMIT	TEST METHOD	
1.	Particulate Matter (<10um)	µg/m <sup>3</sup>	92	100	IS 5182: Part 23:2006 (Reaff. 2012)	
2.	Particulate Matter (<2.5um)	µg/m <sup>3</sup>	54	60	Lab SOP.Doc.NO. TPM/ABNS/E/5/D	
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.7	80	IS 5182 : Part 2 :2001 (Reaff.2012)	
4.	Oxides of nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	21.8	80	IS 5182 : Part 6 :2006 (Reaff.2012)	

*Note: The results relate to the parameter tested only.***For ABNS Scientific Services,**

Report checked By: Dr. Bidyut J Sarma (TM)

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## TEST REPORT

Name & Address of the Customer:

M/S ADITI INDUSTRIES

Vill: Hatigaon, PO: Koliabor,

Dist-Nagaon, Assam.

Report No. : ABNS/EM/031221/03

Date : 12/03/2021

Sample Description: AMBIENT AIR

Ref.: ABNS/GHY/EM/030621/05

## ANALYSIS RESULT

Location		Near Panel Room			latitude	longitude
					26°31'59.106"N	92°55'56.52"E
Date of sampling		06/03/2021			Weather	Clear
SI No	Parameters	Unit	RESULT	LIMIT	TEST METHOD	
1.	Particulate Matter (<10um)	µg/m <sup>3</sup>	86	100	IS 5182: Part 23:2006 (Reaff. 2012)	
2.	Particulate Matter (<2.5um)	µg/m <sup>3</sup>	39	60	Lab SOP.Doc.NO. TPM/ABNS/E/5/D	
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.0	80	IS 5182 : Part 2 :2001 (Reaff.2012)	
4.	Oxides of nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	23.4	80	IS 5182 : Part 6 :2006 (Reaff.2012)	

*Note: The results relate to the parameter tested only.*

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## TEST REPORT

Name & Address of the Customer:

M/S ADITI INDUSTRIES

Vill: Hatigaon, PO: Koliabor,

Dist-Nagaon, Assam.

Report No. : ABNS/EM/031221/02

Date : 12/03/2021

Sample Description: AMBIENT AIR

Ref.: ABNS/GHY/EM/030621/05

## ANALYSIS RESULT

Location		Near Weight Bridge			latitude	longitude
Date of sampling		06/03/2021			26°32'1.416"N	92°55'58.002"E
Parameters		Unit	RESULT	LIMIT	TEST METHOD	
1.	Particulate Matter (<10um)	µg/m <sup>3</sup>	89	100	IS 5182: Part 23:2006 (Reaff. 2012)	
2.	Particulate Matter (<2.5um)	µg/m <sup>3</sup>	44	60	Lab SOP.Doc.NO. TPM/ABNS/E/5/D	
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.8	80	IS 5182 : Part 2 :2001 (Reaff.2012)	
4.	Oxides of nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	25.6	80	IS 5182 : Part 6 :2006 (Reaff.2012)	

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**Name & Address of the Customer:**

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Vill: Hatigaon, PO: Koliabor,

Dist-Nagaon, Assam.

**Report No. : ABNS/EM/031221/10**

**Date : 12/03/2021**

**Sample Description: STACK GAS**

**Date of Sampling : 06/03/2021**

**Ref.: ABNS/GHY/EM/030621/05**

Sample Type : Flue gas	Stack Connected to : Bag Filter
Emission Due to : Process activity	Construction Material of stack : MS
Shape Of Stack : circular	Diameter of Stack at sampling point : -0.75m
Stack Height : 18 m	Height of stack at Sampling point : -15m

## ANALYSIS RESULT

SL NO	PARAMETERS	RESULTS	METHOD
1	Temperature of emission (Oc)	<b>59</b>	IS 1255 (Part III); Rffm:2003
2	Barometric pressure (mm of Hg)	<b>740</b>	USEPA Part 2-25/09/1996
3	Velocity of Gas (m/sec)	<b>2.96</b>	IS 1255 (Part III); Rffm:2003
4	Quantity of Gas Flow (Nm3/hr)	<b>0.86528</b>	IS 1255 (Part III); Rffm:2003
5	Particulate Matters (mg/Nm3)	<b>27.0</b>	IS 1255 (Part I)

**Note:** The results relate to the parameter tested only.

For ABNS Scientific Services,

Report checked By: Dr. Bidyut J Sarmah (TM)

Signature: Dr. Bidyut J Sarmah  
Date: 12/03/2021

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## TEST REPORT

Name & Address of the Customer:

M/S ADITI INDUSTRIES

Vill: Hatigaon, PO: Koliabor,

Dist-Nagaon, Assam.

Report No. : ABNS/EM/031221/04

Date : 12/03/2021

Sample Description: FUGITIVE AIR

Ref.: ABNS/GHY/EM/030621/05

## ANALYSIS RESULT

Sl No	Date Of Sampling	Location/Source	Fugitive (SPM) ( $\mu\text{g}/\text{m}^3$ )	Protocol
I	06/03/2021	Mill Section	974.0	IS 5182 (P-4): 1999

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M/S ADITI INDUSTRIES

Vill: Hatigaon, PO: Koliabor,

Dist-Nagaon, Assam.

**Report No. : ABNS/EM/031221/05**

**Date : 12/03/2021**

**Sample Description: FUGITIVE AIR**

*Ref.: ABNS/GHY/EM/030621/05*

## ANALYSIS RESULT

Sl No	Date Of Sampling	Location/Source	Fugitive (SPM) ( $\mu\text{g}/\text{m}^3$ )	Protocol
I	06/03/2021	Inlet Area	1072.0	IS 5182 (P-4): 1999

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## TEST REPORT

<b>Name &amp; Address of the Customer:</b>	<b>Report No. : ABNS/EM/031221/06</b>
<b>M/S ADITI INDUSTRIES</b>	<b>Date : 12/03/2021</b>
Vill: Hatigaon, PO: Koliabor,	<b>Sample Description: FUGITIVE AIR</b>
Dist-Nagaon, Assam.	<i>Ref.: ABNS/GHY/EM/030621/05</i>

## ANALYSIS RESULT

Sl No	Date Of Sampling	Location/Source	Fugitive (SPM) ( $\mu\text{g}/\text{m}^3$ )	Protocol
I	07/03/2021	Tripler Truck Unloading Point	1182.0	IS 5182 (P-4): 1999

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**Name & Address of the Customer:**

M/S ADITI INDUSTRIES

Vill: Hatigaon, PO: Koliabor,

Dist-Nagaon, Assam.

**Report No. :** ABNS/EM/031221/07

**Date :** 12/03/2021

**Sample Description:** FUGITIVE AIR

*Ref.: ABNS/GHY/EM/030621/05*

## ANALYSIS RESULT

Sl No	Date Of Sampling	Location/Source	Fugitive (SPM) ( $\mu\text{g}/\text{m}^3$ )	Protocol
I	07/03/2021	Near Storage Area	1096.0	IS 5182 (P-4): 1999

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12/03/2021

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