



TC-12331

**EARTHCARE LABS PRIVATE LIMITED****Environmental Laboratory & Consultancy Organization**

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C-11, Amar Enclave Commercial Wing, Jog Layout, Prashant Nagar, Near Ajni Square, Nagpur – 440 015, Tel & Fax: (0712) 2251470, Cell: 9766616862

Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

**Test Report
Water Quality**

Format No. : ELPL/QD4/TRD/7.8/W

Report No. : ELPL/12-24/01-A	Report Date : 14-12-2024
Name & Address of the Customer: M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Verbal	
Sample Type : Drinking Water Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2019 Sample Inward No: : ELPL/Dec-24/55/06/W-01	Sampling Location : Drinking Water from Tap Near Canteen Environmental Condition : Sunny (during sampling)
Sampling Date : 05-12-2024 Sample Receipt Date : 05-12-2024	Sampled By: ELPL Representative
Period of Analysis : From 06-12-2024 to 14-12-2024	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
Discipline : Chemical, Group : Water & Residues in water, Materials/ Products Tested : Drinking Water					
1	Colour	Hazen Units	5/15	1.0	IS 3025 (Part 4)
2	Odour	--	Agreeable	Agreeable	IS 3025 (Part 6)
3	pH value	--	6.5 to 8.5	7.64	IS 3025 (Part 11)
4	Taste	--	Agreeable	Agreeable	IS 3025 (Part 8)
5	Turbidity	NTU	1/5	0.10	IS 3025 (Part 10)
6	Total Dissolved Solids	mg/l	500/2000	434.0	IS 3025 (Part 16)
7	Aluminium (as Al)	mg/l	0.03/0.2	BDL (< 0.03)	ELPL SOP No. BTS-2/Issue No.01/ Jan – 20
8	Boron (as B)	mg/l	0.5/1.0	BDL (< 0.06)	ELPL SOP No. BTM-1 based on IS 3025 (Part 2)
9	Calcium (as Ca)	mg/l	75/200	38.4	IS 3025 (Part 40)
10	Chloride (as Cl)	mg/l	250/1000	17.5	IS 3025 (Part 32)
11	Copper (as Cu)	mg/l	0.05/1.5	BDL (< 0.01)	ELPL SOP No. BTM-6 based on IS 3025 (Part 2)
12	Fluoride (as F)	mg/l	1.0/1.5	BDL (< 0.2)	IS 3025 (Part 60)
13	Free Residual Chlorine	mg/l	0.2/1.0	BDL (< 0.1)	IS 3025 (Part 26)
14	Iron (as Fe)	mg/l	1.0	BDL (< 0.05)	ELPL SOP No. BTM-7 based on IS 3025 (Part 2)



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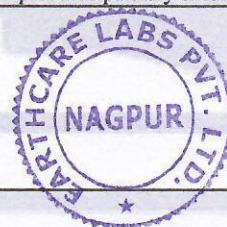
Format No. : ELPL/QD4/TRD/7.8/W

Report No. : ELPL/12-24/01-A			Report Date : 14-12-2024		
Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
15.	Magnesium (as Mg)	mg/l	30/100	20.9	IS 3025 (Part 46)
16.	Manganese (as Mn)	mg/l	0.1/0.13	BDL (< 0.01)	ELPL SOP No. BTS-4 based on IS 3025 (Part 2)
17.	Selenium (as Se)	mg/l	0.01	BDL (< 0.01)	ELPL SOP No. BTS-5 based on IS 3025 (Part 2)
18.	Sulphate (as SO ₄)	mg/l	200/400	22.8	APHA-23 rd Ed. 4500-SO ₄ ²⁻ E
19.	Total Alkalinity (as CaCO ₃)	mg/l	200/600	173.3	IS 3025 (Part 23)
20.	Total Hardness (as CaCO ₃)	mg/l	200/600	182.0	IS 3025 (Part 21)
21.	Zinc (as Zn)	mg/l	5/15	0.06	ELPL SOP No. BTM-15 based on IS 3025 (Part 2)
22.	Lead (as Pb)	mg/l	0.01	BDL (< 0.01)	ELPL SOP No. BTM-8 based on IS 3025 (Part 2)
23.	Nickel (as Ni)	mg/l	0.02	BDL (< 0.02)	ELPL SOP No. BTM-11 based on IS 3025 (Part 2)
24.	Total Arsenic (as As)	mg/l	0.01	BDL (< 0.01)	ELPL SOP No. BTS-1 based on IS 3025 (Part 2)
25.	Total Chromium (as Cr)	mg/l	0.05	BDL (< 0.01)	ELPL SOP No. BTM-4 based on IS 3025 (Part 2)

Note : 1. * indicates IS 10500 : 2012 RA 2012 Drinking Water – Specification as Requirement (Acceptable Limit) / Permissible Limit in the Absence of Alternate Sources meeting Acceptable Limit

2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced partially or fully without prior approval of ELPL.

Verified & Authorized by

*C.P. Jadhao*(C.P. Jadhao)
Quality Manager

** End of the Report **



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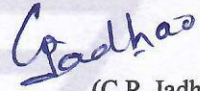
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Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

Test Report Water Quality

Format No. : ELPL/QD4/TRD/7.8/AN

Report No. : ELPL/12-24/01-B	Report Date : 14-12-2024
Name & Address of the Customer: M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Verbal	
Sample Type : Drinking Water Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2019 Sample Inward No: : ELPL/Dec-24/55/06/W-01	Sampling Location : Drinking Water from Tap Near Canteen Environmental Condition : Sunny (during sampling)
Sampling Date : 05-12-2024 Sample Receipt Date : 05-12-2024	Sampled By: ELPL Representative
Period of Analysis : From 06-12-2024 to 14-12-2024	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
Discipline : Chemical, Group : Water & Residues in water, Materials/Products Tested : Drinking Water					
1.	Ammonical Nitrogen (as N)	mg/l	0.5	0.42	IS 3025 (Part 34): 1988 RA 2019 (Clause 2.3)
2.	Anionic Detergents (as MBAS)	mg/l	0.2/1.0	BDL (< 0.1)	IS 13428 (Annex K) : 2005 RA 2019
3.	Nitrate (as NO ₃)	mg/l	45	5.16	APHA -23 rd Ed. -4500 (NO ₃ -) (B)
4.	Phenolic Compounds or Phenol (as C ₆ H ₅ OH)	mg/l	0.001/0.002	BDL (< 0.001)	IS 3025 (Part 43): 1992 RA 2019
5.	Sulphide (as H ₂ S)	mg/l	0.05	BDL (< 0.04)	IS 3025 (Part 29):2003 RA 2019
Note : 1. * indicates IS 10500 : 2012 RA 2012 Drinking Water – Specification as Requirement (Acceptable Limit) / Permissible Limit in the Absence of Alternate Sources meeting Acceptable Limit					
2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced partially or fully without prior approval of ELPL.					
					Verified & Authorized by  (C.P. Jadhao) Quality Manager



** End of the Report **



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**Test Report
Effluent Quality**

Format No. : ELPL/QD4/TRD/7.8/EI

Report No. : ELPL/12-24/07-A	Report Date : 14-12-2024
Name & Address of the Customer: M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.:	
Sample Type : Waste Water (Effluent) Sampling Ref Method : IS 3025 (Part 1) : 1987 RA 2019 Sample Inward No. : ELPL/Dec-24/55/06/EI-07	Sampling Location : Primary Treated Effluent Environmental Condition : Sunny (during sampling)
Sampling Date : 05-12-2024 Sample Receipt Date : 05-12-2024	Sampled By: ELPL Representative
Period of Analysis : From 06-12-2024 to 14-12-2024	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
Discipline : Chemical, Group : Pollution & Environment, Materials/Products Tested : Waste Water (Effluent)					
1.	pH value	--	6.0 to 8.5	7.91	IS 3025 (Part 11)
2.	Biochemical Oxygen Demand (BOD)	mg/l	100	BDL (< 2.0)	IS 3025 (Part 44)
3.	Chemical Oxygen Demand (COD)	mg/l	250	75.7	IS 3025 (Part 58)
4.	Total Suspended Solids (TSS)	mg/l	100	2.10	IS 3025 (Part 17)
5.	Oil & Grease	mg/l	10.0	BDL (< 0.2)	IS 3025(Part 39)
6.	Ammonical Nitrogen (as N)	mg/l	50	0.57	IS 3025 (Part 34)
7.	Phenolic Compounds or Phenols (as C ₆ H ₅ OH)	mg/l	1	0.001	IS 3025 (Part 43)
8.	Total Dissolved Solids	mg/l	2100	1608.0	IS 3025 (Part 16)
9.	Mercury (as Hg)	mg/l	0.01	BDL (< 0.001)	ELPL SOP No. BTM-10 based on IS 3025 (Part 2)
10.	Total Arsenic (as As)	mg/l	0.2	BDL (< 0.01)	ELPL SOP No. BTS-1 based on IS 3025 (Part 2)
11.	Chromium Hexavalent (as Cr ⁶⁺)	mg/l	0.1	BDL (< 0.025)	IS 3025 (Part 52)
12.	Lead (as Pb)	mg/l	0.1	BDL (< 0.01)	ELPL SOP No. BTM-8 based on IS 3025 (Part 2)
13.	Sulphide (as H ₂ S)	mg/l	2	BDL (< 0.04)	IS 3025 (Part 29)



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Format No. : ELPL/QD4/TRD/7.8/EI

Report No. : ELPL/12-24/07-A			Report Date : 14-12-2024		
Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
14.	Total Phosphate (as PO ₄)	mg/l	5	0.17	IS 3025 (Part 31)
15.	Chloride (as Cl)	mg/l	600	137.9	IS 3025 (Part 32)
16.	Sulphate (as SO ₄)	mg/l	1000	164.3	APHA-23 rd Ed. 4500-SO ₄ 2-E
Note : 1. * Consent No. Format 1.0/CC/UAN No. 0000121034/CR/2303000461 Dtd. 06-03-2023. 2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced Partially or fully without prior approval of ELPL.					
					Verified & Authorized by  (C.P. Jadhao) Quality Manager

** End of the Report **



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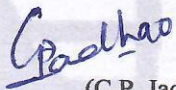
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Test Report Effluent Quality

Format No. : ELPL/QD4/TRD/7.8/EI

Report No. : ELPL/12-24/07-B	Report Date : 14-12-2024
Name & Address of the Customer: M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Verbal	
Sample Type : Waste Water (Effluent) Sampling Ref Method : IS 3025 (Part 1) : 1987 RA 2019 Sample Inward No. : ELPL/Dec-24/55/06/EI-07	Sampling Location : Primary Treated Effluent Environmental Condition : Sunny (during sampling)
Sampling Date : 05-12-2024 Sample Receipt Date : 05-12-2024	Sampled By: ELPL Representative
Period of Analysis : From 06-12-2024 to 14-12-2024	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
Discipline : Chemical, Group : Pollution & Environment, Materials/ Products Tested : Waste Water (Effluent)					
1.	Cyanide (as CN)	mg/l	0.1	BDL (< 0.05)	IS 3025 (Part 27) : 1986 RA 2019
Note : 1. * Consent No. Format 1.0/CC/UAN No. 0000121034?CR/2205000385 Dtd. 07-05-2022. 2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced partially or fully Without prior approval of ELPL.					
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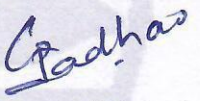
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**Test Report
Effluent Quality**

Format No. : ELPL/QD4/TRD/7.8/ED

Report No. : ELPL/12-24/05-A	Report Date : 14-12-2024
Name & Address of the Customer: M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Verbal	
Sample Type : Waste Water (Sewage)	Sampling Location : STP Treated Water
Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2019	Environment Condition: Sunny (during sampling)
Sample Inward No. : ELPL/Dec-24/55/06//ED-05	
Sampling Date : 05-12-2024	Sampled by : ELPL Representative
Sample Receipt Date : 05-12-2024	
Period of Analysis : From 06-12-2024 to 14-12-2024	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
Discipline : Chemical, Group : Pollution & Environment, Materials/ Products Tested : Waste Water (Sewage)					
1.	Suspended Solids (SS)	mg/l	100	38.4	IS 3025 (Part 17)
2.	Biochemical Oxygen Demand (BOD)	mg/l	30	13.2	IS 3025 (Part 44)
3.	Chemical Oxygen Demand (COD)	mg/l	--	79.7	IS 3025 (Part 58)
Note : 1. * Consent No. Format 1.0/CC/UAN No. 0000121034/CR/2303000461 Dtd. 06-03-2023. 2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced Partially or fully without prior approval of ELPL.					
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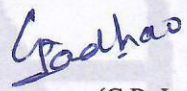
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Test Report Effluent Quality

Format No. : ELPL/QD4/TRD/7.8/ED

Report No. : ELPL/12-24/05-B	Report Date : 14-12-2024
Name & Address of the Customer: M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Verbal	
Sample Type : Waste Water (Sewage)	Sampling Location : STP Treated Water
Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2019	Environment Condition: Sunny (during sampling)
Sample Inward No. : ELPL/Dec-24/55/06//ED-05	
Sampling Date : 05-12-2024	Sampled by : ELPL Representative
Sample Receipt Date : 05-12-2024	
Period of Analysis : From 06-12-2024 to 14-12-2024	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
Discipline : Chemical, Group : Pollution & Environment, Materials/Products Tested : Waste Water (Sewage)					
1.	Bioassay Test	%	--	82.0	IS 6582 (Part 2)
Note :	1. * Consent No. Format 1.0/CC/UAN No. 0000121034/CR/2303000461 Dtd. 06-03-2023. 2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced Partially or fully without prior approval of ELPL.				
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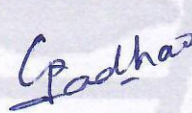
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Test Report Water Quality for Potability

Format No. : ELPL/QD4/TRD/7.8/BAC

Report No. : ELPL/12-24/04-B	Report Date : 14-12-2024
Name & Address of the Customer : M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Verbal	
Sample Type : Drinking Water	Sampling Location : Drinking Water from Tap Near Canteen
Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2019	Environmental Condition : Sunny (during sampling)
Sample Inward No. : ELPL/Dec-24/55/06/BAC-04	
Sampling Date : 05-12-2024	Sampled By: ELPL Representative
Sample Receipt Date : 05-12-2024	
Period of Analysis : From 06-12-2024 to 14-12-2024	

Results of Analysis

Sr. No.	Parameters	Unit	Norms*	Result	Method
Discipline : Biological, Group : Water, Materials/ Products Tested : Drinking Water					
1.	Total Coliform Bacteria	MPN/100 ml	Shall not be detectable	Not Detected	APHA: 9221 (B) 23 rd Edition
2.	Thermotolerant Coliform Bacteria	MPN/100 ml	Shall not be Detectable	Not Detected	APHA: 9221 (G) 23 rd Edition
Note : 1. * indicates IS 10500 : 2012 RA 2012 Drinking Water – Specification as Requirement (Acceptable Limit) / Permissible Limit in the Absence of Alternate Sources meeting Acceptable Limit 2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced partially or fully Without prior approval of ELPL.					
				Verified & Authorized by  (C.P. Jadhao) Quality Manager	

** End of the Report **



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Test Report Ambient Air Quality

Format No. : ELPL/QD4/TRD/7.8/AA

Report No. : ELPL/12-24/117-A	Report Date : 14-12-2024
Name & Address of the Customer: M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No. K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref : Verbal	
Sample Type : Ambient Air	Sampling Location : Near Security Main Gate
Sampling Ref Method : As Per Test Method	Environmental Condition : Sunny (during sampling)
Sample Inward No. : ELPL/Dec-24/55/23/AA-117	
Avg. Ambient Temp : 25.2 °C	Prominent Wind Direction : NNE
Avg. Relative Humidity : 76.7 %	Average Wind Speed : 2.9 km/hr
Sampling Date : From 05-12-2024 to 06-12-2024	Sampled by : ELPL Representative
Sample Receipt Date : 07-12-2024	
Period of Analysis : From 07-12-2024 to 14-12-2024	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
Discipline : Chemical, Group : Atmospheric Pollution, Materials/Products Tested : Ambient Air					
1.	Sulphur Dioxide (SO ₂)	µg/m ³	80	7.35	IS 5182 (Part 2)
2.	Nitrogen Dioxide (NO ₂)	µg/m ³	80	12.8	IS 5182 (Part 6)
3.	Particulate Matter size less than 10 µm (PM ₁₀)	µg/m ³	100	65.3	IS 5182 (Part 23)
4.	Particulate Matter size less than 2.5 µm (PM _{2.5})	µg/m ³	60	26.5	IS : 5182 (Part 24)
5.	Ozone (O ₃)	µg/m ³	100	BDL (< 20.0)	APHA- Method No.411 2 nd Edn
6.	Lead (Pb)	µg/m ³	0.5	0.01	ELPL SOP No. AAS - 10 based on IS 5182 (Part 22)
7.	Carbon Monoxide (CO)	mg/m ³	4	BDL (< 1.1)	NIOSH 6604
8.	Ammonia (NH ₃)	µg/m ³	100	BDL (< 20.0)	APHA- Method No.401 2 nd Edn
9.	Benzene (C ₆ H ₆)	µg/m ³	5	BDL (< 4.0)	IS 5182 (Part 11)
10.	Benzo [a] Pyrene (as BaP)- particulate phase only	ng/m ³	1	BDL (< 0.8)	IS 5182 (Part 12)
11.	Arsenic (As)	ng/m ³	6	BDL (< 2.0)	ELPL SOP No. AAS - 12 based on IS 5182 (Part 26)
12.	Nickel (Ni)	ng/m ³	20	BDL (< 3.5)	IS 5182 (Part 26): 2020 based SOP No. AAS-12

Note : 1. * indicates NAAQS (Govt. of India MoEF Notification No. GSR 826 CE dtd.16-11-2009 as amended).
2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced partially or fully Without prior approval of ELPL.

Verified & Authorized by



Gadha

(C.P. Jadhao)
Quality Manager

** End of the Report **



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Test Report Ambient Air Quality

Format No. : ELPL/QD4/TRD/7.8/AA

Report No.: ELPL/12-24/118-A	Report Date : 14-12-2024
Name & Address of the Customer: M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref : Verbal	
Sample Type : Ambient Air	Sampling Location : Near Boiler House
Sampling Ref Method : As Per Test Method	Environmental Condition : Sunny (during sampling)
Sample Inward No. : ELPL/Dec-24/55/23/AA-118	
Avg. Ambient Temp : 25.2 °C	Prominent Wind Direction : NNE
Avg. Relative Humidity : 76.7 %	Average Wind Speed : 2.9 km/hr
Sampling Date : From 05-12-2024 to 06-12-2024	Sampled by : ELPL Representative
Sample Receipt Date : 07-12-2024	
Period of Analysis : From 07-12-2024 to 14-12-2024	

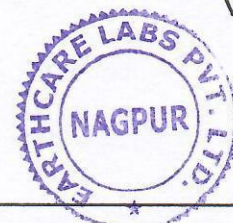
Results of Analysis

Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
Discipline : Chemical, Group : Atmospheric Pollution, Materials/ Products Tested : Ambient Air					
1.	Sulphur Dioxide (SO ₂)	µg/m ³	80	8.56	IS 5182 (Part 2)
2.	Nitrogen Dioxide (NO ₂)	µg/m ³	80	13.5	IS 5182 (Part 6)
3.	Particulate Matter size less than 10 µm (PM ₁₀)	µg/m ³	100	67.1	IS 5182 (Part 23)
4.	Particulate Matter size less than 2.5 µm (PM _{2.5})	µg/m ³	60	29.4	IS : 5182 (Part 24)
5.	Ozone (O ₃)	µg/m ³	100	BDL (< 20.0)	APHA- Method No.411 2 nd Edn
6.	Lead (Pb)	µg/m ³	0.5	0.02	ELPL SOP No. AAS - 10 based on IS 5182 (Part 22)
7.	Carbon Monoxide (CO)	µg/m ³	4	BDL (< 1.1)	NIOSH 6604
8.	Ammonia (NH ₃)	µg/m ³	100	BDL (< 20.0)	APHA- Method No.401 2 nd Edn
9.	Benzene (C ₆ H ₆)	µg/m ³	5	BDL (< 4.0)	IS 5182 (Part 11)
10.	Benzo [a] Pyrene (as BaP)- particulate phase only	ng/m ³	1	BDL (< 0.8)	IS 5182 (Part 12)
11.	Arsenic (As)	ng/m ³	6	BDL (< 2.0)	ELPL SOP No. AAS - 12 based on IS 5182 (Part 26)
12.	Nickel (Ni)	ng/m ³	20	BDL (< 3.5)	IS 5182 (Part 26): 2020 based SOP No. AAS-12

Note : 1. * indicates NAAQS (Govt. of India MoEF Notification No. GSR 826 CE dtd.16-11-2009 as amended).

2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced partially or fully Without prior approval of ELPL.

Verified & Authorized by



C.P. Jadhao

(C.P. Jadhao)
Quality Manager

** End of the Report **



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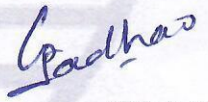
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Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

Test Report Stack Emission Quality

Format No. : ELPL/QD4/TRD/7.8/S

Report No. : ELPL/12-24/07-A	Report Date : 14-12-2024
Name & Address of the Customer : M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref : Verbal	
Sample Type : Stack Emission	Sampling Location : Boiler No. 2 (10 TPH)
Sampling Ref Method : As Per Test Method	Environmental Condition : Sunny (during sampling)
Sample Inward No. : ELPL/Dec-24/55/23/S-07	
Sampling Date : 06-12-2024	Sampled By: ELPL, Representative
Sample Receipt Date : 07-12-2024	
Stack Height : 32 mtr.	Temperature of Flue Gas : 138 °C
Stack Diameter at Port : 1.0 mtr.	Velocity of Flue Gas : 9.18 m/sec
Type of Fuel : Biocoal/Biomass Pallets	Flow Rate of Flue Gas : 18250.67 Nm ³ /hr
Period of Analysis : From 07-12-2024 to 14-12-2024	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm*	Result	Test Method
Discipline : Chemical, Group : Atmospheric Pollution , Materials/ Products Tested : Stack Emission					
1.	Particulate Matter	mg/Nm ³	100	91.6	IS 11255 (Part 1)
2.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	--	74.8	IS 11255 (Part 2)
3.	Sulphur Dioxide (as SO ₂)	kg/day	40.32	32.6	IS 11255 (Part 2)
Note : 1. * Consent No. Format 1.0/CC/UAN No. 0000121034/CR/2303000461 Dtd. 06-03-2023. 2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced Partially or fully without prior approval of ELPL.					
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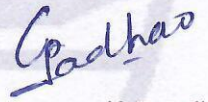
Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

Test Report Stack Emission Quality

Format No. : ELPL/QD4/TRD/7.8/S

Report No. : ELPL/12-24/08-B	Report Date : 14-12-2024
Name & Address of the Customer : M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref : Verbal	
Sample Type : Stack Emission	Sampling Location : Primary Scrubber 1-A Plant
Sampling Ref Method : As Per Test Method	Environmental Condition : Sunny (during sampling)
Sample Inward No. : ELPL/Dec-24/55/23/S-08	
Sampling Date : 06-12-2024	Sampled By: ELPL, Representative
Sample Receipt Date : 06-12-2024	
Stack Height : 10.0	Temperature of Flue Gas : 35 °C
Stack Diameter at Port : 0.15 mtr	Velocity of Flue Gas : 7.71 m/sec
Type of Fuel : Not Applicable	Flow Rate of Flue Gas : 460.20 Nm ³ /hr
Period of Analysis : From 07-12-2024 to 14-12-2024	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm*	Result	Test Method
Discipline : Chemical, Group : Atmospheric Pollution , Materials/Products Tested : Stack Emission					
1.	Acid Fumes (as HCl Fumes)	mg/Nm ³	30	14.1	USEPA Method 0051
Note :	1. * Consent No. Format 1.0/CC/UAN No. 0000121034/CR/2303000461 Dtd. 06-03-2023. 2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced Partially or fully without prior approval of ELPL.				
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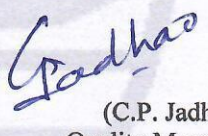
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Test Report Stack Emission Quality

Format No. : ELPL/QD4/TRD/7.8/S

Report No. : ELPL/12-24/09-B	Report Date : 14-12-2024
Name & Address of the Customer : M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref : Verbal	
Sample Type : Stack Emission	Sampling Location : Scrubber 2-C Plant
Sampling Ref Method : As Per Test Method	Environmental Condition : Sunny (during sampling)
Sample Inward No. : ELPL/Dec-24/55/23/S-09	
Sampling Date : 06-12-2024	Sampled By: ELPL, Representative
Sample Receipt Date : 06-12-2024	
Stack Height : 10.0	Temperature of Flue Gas : 35 °C
Stack Diameter at Port : 0.15 mtr	Velocity of Flue Gas : 7.63 m/sec
Type of Fuel : Not Applicable	Flow Rate of Flue Gas : 455.42 Nm ³ /hr
Period of Analysis : From 07-12-2024 to 14-12-2024	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm*	Result	Test Method
Discipline : Chemical, Group : Atmospheric Pollution , Materials/Products Tested : Stack Emission					
1.	Acid Fumes (as HCl Fumes)	mg/Nm ³	30	21.7	USEPA Method 0051
Note :	1. * Consent No. Format 1.0/CC/UAN No. 0000121034/CR/2303000461 Dtd. 06-03-2023. 2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced Partially or fully without prior approval of ELPL.				
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Test Report Stack Emission Quality

Format No. : ELPL/QD4/TRD/7.8/S

Report No. : ELPL/12-24/10-B	Report Date : 14-12-2024
Name & Address of the Customer : M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref : Verbal	
Sample Type : Stack Emission Sampling Ref Method : As Per Test Method Sample Inward No. : ELPL/Dec-24/55/23/S-10	Sampling Location : Scrubber from R & D Plant Environmental Condition : Sunny (during sampling)
Sampling Date : 06-12-2024 Sample Receipt Date : 06-12-2024	Sampled By: ELPL, Representative
Stack Height : 5.0 Stack Diameter at Port : 0.15 mtr Type of Fuel : Not Applicable	Temperature of Flue Gas : 34 °C Velocity of Flue Gas : 7.54 m/sec Flow Rate of Flue Gas : 451.52 Nm ³ /hr
Period of Analysis : From 07-12-2024 to 14-12-2024	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm*	Result	Test Method
Discipline : Chemical, Group : Atmospheric Pollution , Materials/Products Tested : Stack Emission					
1.	Acid Fumes (as HCl Fumes)	mg/Nm ³	30	18.4	USEPA Method 0051
Note :	1. * Consent No. Format 1.0/CC/UAN No. 0000121034/CR/2303000461 Dtd. 06-03-2023. 2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced Partially or fully without prior approval of ELPL.				
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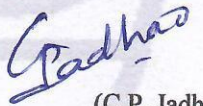
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Test Report Stack Emission Quality

Format No. : ELPL/QD4/TRD/7.8/S

Report No. : ELPL/12-24/11-B	Report Date : 14-12-2024
Name & Address of the Customer : M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref : Verbal	
Sample Type : Stack Emission	Sampling Location : Scrubber from Pilot Plant
Sampling Ref Method : As Per Test Method	Environmental Condition : Sunny (during sampling)
Sample Inward No. : ELPL/Dec-24/55/23/S-11	
Sampling Date : 06-12-2024	Sampled By: ELPL, Representative
Sample Receipt Date : 06-12-2024	
Stack Height : 5.0	Temperature of Flue Gas : 35 °C
Stack Diameter at Port : 0.15 mtr	Velocity of Flue Gas : 7.55 m/sec
Type of Fuel : Not Applicable	Flow Rate of Flue Gas : 450.67 Nm ³ /hr
Period of Analysis : From 07-12-2024 to 14-12-2024	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm*	Result	Test Method
Discipline : Chemical, Group : Atmospheric Pollution , Materials/Products Tested : Stack Emission					
1.	Acid Fumes (as HCl Fumes)	mg/Nm ³	30	23.3	USEPA Method 0051
Note :	1. * Consent No. Format 1.0/CC/UAN No. 0000121034/CR/2303000461 Dtd. 06-03-2023. 2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced Partially or fully without prior approval of ELPL.				
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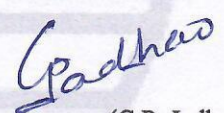
Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

Test Report Ambient Noise Quality

Format No. : ELPL/QD4/TRD/7.8/AN

Report No.: ELPL/12-24/07-A	Report Date : 14-12-2024
Name & Address of the Customer : M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref : Verbal	
Sample Type : Ambient Noise Sampling Ref Method : IS 9989 Sample Inward No. : ELPL/Dec-24/55/23/AN-07	Sampling Location : Near Security Main Gate Environmental Condition : Sunny (during sampling)
Sampling Date : 05-12-2024	Sampled by : ELPL Representative
Location (Type) : Industrial / Commercial / Residential/ Silence	

Results of Measurements

Test Parameter		During Day Time (Hrly Avg)	During Night Time (Hrly Avg)
Discipline : Chemical, Group : Atmospheric Pollution, Materials/ Products Tested : Ambient Noise			
Equivalent Sound Level Leq dB(A)		61.4	49.2
Norms*	Industrial Area	75	70
	Commercial Area	65	55
	Residential Area	55	45
	Silence Zone	50	40
Note : 1. *indicates Rule 4 of Noise Pollution (Regulation & Control) Amendment Rules,2000 (S.O. 1046 (E) dtd 22-11-2000 2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced partially or fully Without prior approval of ELPL.			
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** End of the Report **



TC-12331

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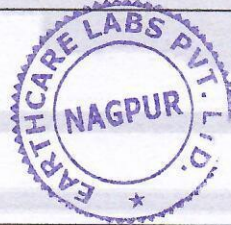
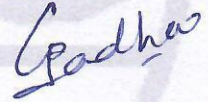
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**Test Report
Ambient Noise Quality**

Format No. : ELPL/QD4/TRD/7.8/AN

Report No.: ELPL/12-24/08-A	Report Date : 14-12-2024
Name & Address of the Customer : M/s. INVENTYS RESEARCH CO. PVT. LTD., Plot No. K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref : Verbal	
Sample Type : Ambient Noise Sampling Ref Method : IS 9989 Sample Inward No. : ELPL/Dec-24/55/23/AN-08	Sampling Location : Near Boiler House Environmental Condition : Sunny (during sampling)
Sampling Date : 05-12-2024	Sampled by : ELPL Representative
Location (Type) : Industrial / Commercial / Residential / Silence	

Results of Measurements

Test Parameter		During Day Time (Hrly Avg)	During Night Time (Hrly Avg)
Discipline : Chemical, Group : Atmospheric Pollution, Materials/Products Tested : Ambient Noise			
Equivalent Sound Level Leq dB(A)		62.7	52.3
Norms*	Industrial Area	75	70
	Commercial Area	65	55
	Residential Area	55	45
	Silence Zone	50	40
Note : 1. *indicates Rule 4 of Noise Pollution (Regulation & Control) Amendment Rules, 2000 (S.O. 1046 (E) dtd 22-11-2000) 2. Test results relates to sample collected & tested only for the selected parameters. It shall not be reproduced partially or fully Without prior approval of ELPL.			
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