

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)

MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

Phone : +91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

Analyzing for an Assured Future

TEST CERTIFICATE

Issued To: M/s Ferrosang Enviro Solutions
Private Limited

Address: Khasra No. 925, 1612 Rasoolpur,
Salon Raebareli

Report Code	: AAQ-280125-013
ULR No.	: TC681425000000410F
Test Report of	: Ambient Air Quality
Sample Discipline	: Atmospheric Pollution
Service Request No	: NTL/SRF/01/25-05
Service Request Date	: 25/01/2025
Report Issue Date	: 01/02/2025

SAMPLING & ANALYSIS DATA

Sample Drawn By	: NTL Representative
Date of Sample Received	: 27/01/2025
Sample Description	: Ambient Air Quality
Sampling Location	: At Project Site
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 28/01/2025 to 01/02/2025
Average Flow Rate of SPM (m ³ /min.)	: 1.12
Average Flow Rate of Gases (lpm)	: 1.0
Sampling Instrument Used	: Respirable Dust Sampler (PM ₁₀) Fine Particulate Sampler (PM _{2.5}) With Gaseous Attachment
Weather Condition	: Clear

TEST RESULT

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	87.60	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	NAAQMS/36 Vol-1, CPCB	45.21	µg /m ³	60.0
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	12.80	µg /m ³	80.0
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	21.50	µg /m ³	80
5.	Carbon monoxide (as CO)	NIOSH 6604	1.19	mg/m ³	4.0

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John Doe

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Private Limited

Address: Khasra No. 925, 1612 Rasoolpur,
Salon Raebareli

Report Code : AN-280125-014
ULR No. : TC681425000000411F
Test Report of : Ambient Noise
Sample Discipline : Atmospheric Pollution
Service Request No : NTL/SRF/01/25-05
Service Request Date : 25/01/2025
Report Issue Date : 01/02/2025

SAMPLING & ANALYSIS DATA

Monitoring Started On : 27/01/2025
Sample Drawn By : NTL Representative
Monitoring Period : 28/01/2025
Sample Description : Ambient Noise
Sampling Location : Near Main Gate
Instrument Used : Sound Level Meter
Protocol Followed : IS 9989: 1981 (RA 2023)

RESULTS

<u>S. No.</u>	Monitoring Parameter	Result (Average)	Unit of Measure	Requirements as per CPCB Guidelines Permissible Noise Levels in dB(A) Leg		
				Category of Area/Zone	Day Time 06.00 am to 10.00 pm	Night Time 10.00 pm to 06.00 am
1.	EQUIVALENT NOISE LEVEL (06:00 AM to 10:00 PM)	64.2	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
				Residential Area	55	45
				Silence Zone	50	40

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Issued To: M/s Ferrosang Enviro Solutions
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Address: Khasra No. 925, 1612 Rasoolpur,
Salon Raebareli

Report Code : AN-280125-015
ULR No. : TC681425000000412F
Test Report of : Ambient Noise
Sample Discipline : Atmospheric Pollution
Service Request No : NTL/SRF/01/25-05
Service Request Date : 25/01/2025
Report Issue Date : 01/02/2025

SAMPLING & ANALYSIS DATA

Monitoring Started On : 27/01/2025
Sample Drawn By : NTL Representative
Monitoring Period : 28/01/2025
Sample Description : Ambient Noise
Sampling Location : Near Incinerator
Instrument Used : Sound Level Meter
Protocol Followed : IS 9989: 1981 (RA 2023)

RESULTS

S. No.	Monitoring Parameter	Result (Average)	Unit of Measure	Requirements as per CPCB Guidelines Permissible Noise Levels in dB(A) Leq		
				Category of Area/Zone	Day Time 06.00 am to 10.00 pm	Night Time 10.00 pm to 06.00 am
1.	EQUIVALENT NOISE LEVEL (06:00 AM to 10:00 PM)	62.8	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
				Residential Area	55	45
				Silence Zone	50	40

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Branch Office :

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Issued To: M/s Ferrosang Enviro Solutions
Private Limited

Address: Khasra No. 925, 1612 Rasoolpur,
Salon Raebareli

Report Code : AN-280125-016
ULR No. : TC681425000000413F
Test Report of : Ambient Noise
Sample Discipline : Atmospheric Pollution
Service Request No : NTL/SRF/01/25-05
Service Request Date : 25/01/2025
Report Issue Date : 01/02/2025

SAMPLING & ANALYSIS DATA

Monitoring Started On : 27/01/2025
Sample Drawn By : NTL Representative
Monitoring Period : 28/01/2025
Sample Description : Ambient Noise
Sampling Location : Near D. G. Area
Instrument Used : Sound Level Meter
Protocol Followed : IS 9989: 1981 (RA 2023)

RESULTS

<u>S. No.</u>	<u>Monitoring Parameter</u>	<u>Result (Average)</u>	<u>Unit of Measure</u>	<u>Requirements as per CPCB Guidelines</u> <u>Permissible Noise Levels in dB(A) Leq</u>		
				<u>Category of Area/Zone</u>	<u>Day Time</u> 06.00 am to 10.00 pm	<u>Night Time</u> 10.00 pm to 06.00 am
1.	EQUIVALENT NOISE LEVEL (06:00 AM to 10:00 PM)	64.5	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
				Residential Area	55	45
				Silence Zone	50	40

Notes:

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TEST CERTIFICATE

Issued To:	M/s Ferrosang Enviro Solutions Private Limited
Address:	Khasra No. 925, 1612 Rasoolpur, Salon Raebareli

Report Code	: ST-280125-018
ULR No.	: TC681425000000415F
Test Report of	: Stack Emission
Sample Discipline	: Atmospheric Pollution
Service Request No	: NTL/SRF/01/25-05
Service Request Date	: 25/01/2025
Report Issue Date	: 01/02/2025

SAMPLING & ANALYSIS DATA

Sample Received on	: 27/01/2025
Sample Drawn By	: Mr. Umashankar Sharma (NTL)
Sample description	: Incinerator Stack Emission
Sampling Time	: 30 minutes
Sampling Plan & Procedure	: SOP/SE/09
Analysis Duration	: 28/01/2025 to 01/02/2025
Ambient Temperature (°C)	: 23
Stack Temperature (°C)	: 142
Source of Emission	: Stack Attached to Incinerator
Capacity	: 250 Kg /hr
Type of Fuel used	: HSD & Bio Medical Waste
Operating Load	: Normal
Type of Stack	: Metal circular
Stack Diameter (Meter)	: 1.08
Height of Stack from ground level (meter)	: 32.0
Height of sampling location from ground level (meter)	: 12.0
Average Velocity of Fuel Emission (m/s)	: 8.4

TEST RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits (As per CPCB)
1.	Particulate Matter (PM)	IS:11255(Part-1)	38.40	mg/Nm ³	50.0
2.	Nitrogen dioxide (NOx)	IS:11255(Part-7)	156.0	mg/Nm ³	400.0
3.	Hydro chloride (HCl)	APHA-Air	7.12	mg/Nm ³	50.0
4.	Carbon monoxide (as CO)	USEPA Method No.10	0.034	%	Limit not specified
5.	Carbon dioxide (CO ₂)	Orsat Apparatus	2.10	%	Limit not specified

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TEST CERTIFICATE

Issued To: M/s Ferrosang Enviro Solutions
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Address: Khasra No. 925, 1612 Rasoolpur,
Salon Raebareli

Report Code : ST-280125-017
ULR No. : TC681425000000414F
Test Report of : Stack Emission
Sample Discipline : Atmospheric Pollution
Service Request No : NTL/SRF/01/25-05
Service Request Date : 25/01/2025
Report Issue Date : 01/02/2025

SAMPLING & ANALYSIS DATA

Sample Drawn on	:	27/01/2025
Sample Drawn By	:	Mr. Umashankar Sharma (NTL)
Sample Description	:	Stack Emission
Sampling Time	:	30 minutes
Sampling Plan & Procedure	:	SOP/SE/09
Analysis Duration	:	28/01/2025 to 01/02/2025
Ambient Temperature(°C)	:	23
Stack Temperature (°C)	:	121
Source of Emission	:	Stack Attached to D.G
Make/Model	:	Jackson
Capacity	:	62.5 KVA
Type of Fuel used	:	HSD
Operating Load	:	Normal
Type of Stack	:	Metal circular
Stack Diameter (mm)	:	0.04
Stack Height from Ground Level (feet)	:	3.2
Average Velocity of Flue Emission (m/s)	:	7.8

TEST RESULT

S.N.	Parameter	Test Method	Results	Units	Emission limits Upto 800 KW DG
1.	Particulate Matter (as PM)	IS:11255(Part-1)	0.065	g/kw-hr	0.3
2.	Sulphur dioxide (SO ₂)	IS:11255(Part-2)	4.80	mg /Nm ³	No limit Specified
3.	Nitrogen dioxide (NO ₂)	IS:11255(Part-7)	1.20	g/kw-hr	9.2
4.	Carbon monoxide(as CO)	IS:13270	0.35	g/kw-hr	3.5
5.	Hydrocarbon(HC)	NTL/CHEM/SOP-018	0.18	g/kw-hr	1.3

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TEST CERTIFICATE

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Address: Khasra No. 925, 1612 Rasoolpur,
Salon Raebareli

Report Code : MS-280125-020
Test Report of : Verification Autoclave
Service Request No : NTL/SRF/01/25-05
Service Request Date : 25/01/2025
Report Issue Date : 01/02/2025

Sampling & Analysis Data

Sample Received On : 28/01/2025
Sample Description : Treated Spore stripes
Analysis Duration : 28/01/2025 to 01/02/2025

TEST RESULT

TESTS	PROTOCOL	RESULTS
Verification of efficacy of autoclave (Using biological Spore Stripe)	NTL/MB/MICRO-03	No growth found in any processed Stripe
Remarks- Stripe were treated at 121°C for 45 minutes (as per the client Procedure)		

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TEST CERTIFICATE

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Address: Khasra No. 925, 1612 Rasoolpur,
Salon Raebareli

Report Code : WW-280125-019
ULR No. : TC681425000000416F
Test Report of : Waste Water
Sample Discipline : Pollution and Environment
Service Request No : NTL/SRF/01/25-05
Service Request Date : 25/01/2025
Report Issue Date : 01/02/2025

SAMPLING & ANALYSIS DATA

Sample Drawn On : 27/01/2025
Sample Drawn By : Mr. Umashankar Sharma (NTL)
Sample Description : ETP Outlet
Sample Quantity/Packing detail : 1 litre pet bottle/Glass Bottle
Analysis Duration : 28/01/2025 to 01/02/2025
Sampling Procedure : NTL/LAB/W-WATER/SOP-002

TEST RESULTS

S.No	Parameter	Test Method	Results	Units	Limit as per CPCB norms
1.	-pH	IS:3025(Part-11):1983	7.56	-	6.5-8.5
2.	Total Suspended Solids at 105°C	IS:3025(Part-17):1984	24.0	mg/l	100 max
3.	Chemical Oxygen Demand (as O ₂)	IS 3025 (Part-58)	89.0	mg/l	250 max
4.	Biological Oxygen Demand (for 3 days at 27±1°C)	IS:3025(Part-44):1993	21.0	mg/l	30 max
5.	Oil & grease	IS:3025(Part-39):1984	<1.0	mg/l	10 max
6.	Bio-assay Test (% Survival of fish after 96 hrs)	IS:6582-1971	98.0	-	90 min

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