



# 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

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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-170425-016  
ULR No. : TC681425000002708F  
Test Report of : Ambient Air Quality  
Sample Discipline : Atmospheric Pollution  
Service Request No : NTL/SRF/04/25-06  
Service Request Date : 15/04/2025  
Report Issue Date : 22/04/2025

### SAMPLING & ANALYSIS DATA

Sample Drawn By : NTL Representative  
Date of Sample Received : 16/04/2025  
Sample Description : Ambient Air Quality  
Sampling Location : At Project Site  
Sampling Plan & Procedure : SOP-AAQ/08  
Analysis Duration : 17/04/2025 to 22/04/2025  
Average Flow Rate of SPM ( $\text{m}^3/\text{min.}$ ) : 1.12  
Average Flow Rate of Gases (lpm) : 1.0  
Sampling Instrument Used : Respirable Dust Sampler ( $\text{PM}_{10}$ ) Fine Particulate  
Sampler ( $\text{PM}_{2.5}$ ) With Gaseous Attachment  
Weather Condition : Clear

### TEST RESULT

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter ( $\text{PM}_{10}$ )	IS:5182 Part-XXIII	94.10	$\mu\text{g}/\text{m}^3$	100.0
2.	Particulate Matter ( $\text{PM}_{2.5}$ )	NAAQMS/36 Vol-I, CPCB	47.08	$\mu\text{g}/\text{m}^3$	60.0
3.	Sulphur dioxide (as $\text{SO}_2$ )	IS:5182 Part-II	15.20	$\mu\text{g}/\text{m}^3$	80.0
4.	Nitrogen dioxide (as $\text{NO}_2$ )	IS:5182 Part-VI	26.40	$\mu\text{g}/\text{m}^3$	80
5.	Carbon monoxide (as CO)	NIOSH 6604	1.23	$\text{mg}/\text{m}^3$	4.0

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AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, Gautam Budh Nagar - 201 301 (U.P.)

Branch Office :

HARIDWAR | DEHRADUN | PUNE

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**TEST CERTIFICATE**Issued To: M/s Ferrosang Enviro Solutions  
Private LimitedAddress: Khasra No. 925, 1612 Rasoolpur,  
Salon Raebareli

Report Code : AN-170425-017

ULR No. : TC681425000002709F

Test Report of : Ambient Noise

Sample Discipline : Atmospheric Pollution

Service Request No : NTL/SRF/04/25-06

Service Request Date : 15/04/2025

Report Issue Date : 22/04/2025

**SAMPLING & ANALYSIS DATA**

Monitoring Started On : 16/04/2025  
 Sample Drawn By : NTL Representative  
 Monitoring Period : 17/04/2025  
 Sample Description : Ambient Noise  
 Sampling Location : Near Main Gate  
 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.	<b>EQUIVALENT NOISE LEVEL</b> (06:00 AM to 10:00 PM)	65.5	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
				Residential Area	55	45
				Silence Zone	50	40

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**TEST CERTIFICATE**Issued To: M/s Ferrosang Enviro Solutions  
Private LimitedAddress: Khasra No. 925, 1612 Rasoolpur,  
Salon RaebareliReport Code : AN-170425-018  
ULR No. : TC681425000002710F  
Test Report of : Ambient Noise  
Sample Discipline : Atmospheric Pollution  
Service Request No : NTL/SRF/04/25-06  
Service Request Date : 15/04/2025  
Report Issue Date : 22/04/2025**SAMPLING & ANALYSIS DATA**

Monitoring Started On	: 16/04/2025
Sample Drawn By	: NTL Representative
Monitoring Period	: 17/04/2025
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)	61.5	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
				Residential Area	55	45
				Silence Zone	50	40

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Future**TEST CERTIFICATE**Issued To: M/s Ferrosang Enviro Solutions  
Private LimitedAddress: Khasra No. 925, 1612 Rasoolpur,  
Salon RaebareliReport Code : AN-170425-019  
ULR No. : TC681425000002711F  
Test Report of : Ambient Noise  
Sample Discipline : Atmospheric Pollution  
Service Request No : NTL/SRF/04/25-06  
Service Request Date : 15/04/2025  
Report Issue Date : 22/04/2025**SAMPLING & ANALYSIS DATA**

Monitoring Started On	: 16/04/2025
Sample Drawn By	: NTL Representative
Monitoring Period	: 17/04/2025
Sample Description	: Ambient Noise
Sampling Location	: Near D. G. Area
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)	66.0	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
				Residential Area	55	45
				Silence Zone	50	40

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**TEST CERTIFICATE**Issued To: M/s Ferrosang Enviro Solutions  
Private LimitedAddress: Khasra No. 925, 1612 Rasoolpur,  
Salon Raebareli

Report Code : WW-170425-022

ULR No. : TC68142500002714F

Test Report of : Waste Water

Sample Discipline : Pollution &amp; Environment

Service Request No : NTL/SRF/04/25-06

Service Request Date : 15/04/2025

Report Issue Date : 22/04/2025

**SAMPLING & ANALYSIS DATA**

Sample Drawn On : 16/04/2025  
 Sample Drawn By : Mr. Umashankar Sharma (NTL)  
 Sample Description : ETP Outlet  
 Sample Quantity/Packing detail : 1 litre pet bottle/Glass Bottle  
 Analysis Duration : 17/04/2025 to 22/04/2025  
 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	7.38	-	6.5-8.5
2.	Total Suspended Solids at 105°C	IS:3025(Part-17):1984	21.0	mg/l	100 max
3.	Chemical Oxygen Demand (as O <sub>2</sub> )	IS 3025 (Part-58)	110.0	mg/l	250 max
4.	Biological Oxygen Demand (for 3 days at 27±1°C)	IS:3025(Part-44):1993	23.0	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	96.0	-	90 min

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Private Limited

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

Report Code : ST-170425-021  
ULR No. : TC681425000002713F  
Test Report of : Stack Emission  
Sample Discipline : Atmospheric Pollution  
Service Request No : NTL/SRF/04/25-06  
Service Request Date : 15/04/2025  
Report Issue Date : 22/04/2025

**SAMPLING & ANALYSIS DATA**

Sample Received on	:	16/04/2025
Sample Drawn By	:	Mr. Umashankar Sharma (NTL)
Sample description	:	Incinerator Stack Emission
Sampling Time	:	30 minutes
Sampling Plan & Procedure	:	SOP/SE/09
Analysis Duration	:	17/04/2025 to 22/04/2025
Ambient Temperature (°C)	:	30
Stack Temperature (°C)	:	146
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)	:	8.5

**TEST RESULTS**

S. No.	Parameter	Test Method	Results	Units	Limits (As per CPCB)
1.	Particulate Matter (PM)	IS:11255(Part-1)	32.60	mg/Nm <sup>3</sup>	50.0
2.	Nitrogen dioxide (NOx)	IS:11255(Part-7)	148.0	mg/Nm <sup>3</sup>	400.0
3.	Hydro chloride (HCl)	APHA-Air	6.50	mg/Nm <sup>3</sup>	50.0
4.	Carbon monoxide (as CO)	USEPA Method No.10	0.028	%	Limit not specified
5.	Carbon dioxide (CO <sub>2</sub> )	Orsat Apparatus	2.46	%	Limit not specified

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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-170425-020**  
**ULR No. : TC68142500002712F**  
**Test Report of : Stack Emission**  
**Sample Discipline : Atmospheric Pollution**  
**Service Request No : NTL/SRF/04/25-06**  
**Service Request Date : 15/04/2025**  
**Report Issue Date : 22/04/2025****SAMPLING & ANALYSIS DATA**

Sample Drawn on	:	16/04/2025
Sample Drawn By	:	Mr. Umashankar Sharma (NTL)
Sample Description	:	Stack Emission
Sampling Time	:	30 minutes
Sampling Plan & Procedure	:	SOP/SE/09
Analysis Duration	:	17/04/2025 to 22/04/2025
Ambient Temperature (°C)	:	32
Stack Temperature (°C)	:	118
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)	:	7.6

**TEST RESULT**

S.N.	Parameter	Test Method	Results	Units	Emission limits Upto 800 KW DG
1.	Particulate Matter (as PM)	IS:11255(Part-1)	0.075	g/kw-hr	0.3
2.	Sulphur dioxide (SO <sub>2</sub> )	IS:11255(Part-2)	6.12	mg /Nm <sup>3</sup>	No limit Specified
3.	Nitrogen dioxide (NO <sub>2</sub> )	IS:11255(Part-7)	1.48	g/kw-hr	9.2
4.	Carbon monoxide(as CO)	IS:13270	0.26	g/kw-hr	3.5
5.	Hydrocarbon(HC)	NTL/CHEM/SOP-018	0.15	g/kw-hr	1.3

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Private Limited**Address:** Khasra No. 925, 1612 Rasoolpur,  
Salon Raebareli**Report Code** : MS-170425-023  
**Test Report of** : Verification Autoclave  
**Service Request No** : NTL/SRF/04/25-06  
**Service Request Date** : 15/04/2025  
**Report Issue Date** : 22/04/2025**Sampling & Analysis Data**

Sample Received On : 16/04/2025  
Sample Description : Treated Spore stripes  
Analysis Duration : 17/04/2025 to 22/04/2025

**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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