



# NOIDA TESTING LABORATORIES LLP

(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) and UPPCB Recognized Laboratory

+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-160725-020

ULR No. : TC159642500002712F

Test Report of : Ambient Air Quality

Sample Discipline : Atmospheric Pollution

Service Request No : NTL/SRF/07/25-012

Service Request Date : 14/07/2025

Report Issue Date : 22/07/2025

### SAMPLING & ANALYSIS DATA

Sample Drawn By : NTL Representative  
Date of Sampling : 16/07/2025 to 17/07/2025  
Sample Description : Ambient Air Quality  
Sampling Location : At Project Site  
Sampling Plan & Procedure : SOP-AAQ/08  
Analysis Duration : 17/07/2025 to 22/07/2025  
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	89.08	$\mu\text{g}/\text{m}^3$	100.0
2.	Particulate Matter ( $\text{PM}_{2.5}$ )	NAAQMS/36 Vol-I, CPCB	43.12	$\mu\text{g}/\text{m}^3$	60.0
3.	Sulphur dioxide (as $\text{SO}_2$ )	IS:5182 Part-II	12.32	$\mu\text{g}/\text{m}^3$	80.0
4.	Nitrogen dioxide (as $\text{NO}_2$ )	IS:5182 Part-VI	23.18	$\mu\text{g}/\text{m}^3$	80
5.	Carbon monoxide (as CO)	NIOSH 6604	1.20	$\text{mg}/\text{m}^3$	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 Limited

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

Report Code : AN-160725-021  
ULR No. : TC1596425000002713F  
Test Report of : Ambient Noise  
Sample Discipline : Atmospheric Pollution  
Service Request No : NTL/SRF/07/25-012  
Service Request Date : 14/07/2025  
Report Issue Date : 22/07/2025

### SAMPLING & ANALYSIS DATA

Sample Drawn On : 16/07/2025  
Sample Drawn By : NTL Representative  
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.	EQUIVALENT NOISE LEVEL (06:00 AM to 06:00 AM)	62.03	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
				Residential Area	55	45
				Silence Zone	50	40

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Salon Raebareli

Report Code : AN-160725-022  
ULR No. : TC1596425000002714F  
Test Report of : Ambient Noise  
Sample Discipline : Atmospheric Pollution  
Service Request No : NTL/SRF/07/25-012  
Service Request Date : 14/07/2025  
Report Issue Date : 22/07/2025

### SAMPLING & ANALYSIS DATA

Sample Drawn On  
Sample Drawn By  
Sample Description  
Sampling Location  
Instrument Used  
Protocol Followed

: 16/07/2025  
: NTL Representative  
: Ambient Noise  
: Near Incinerator  
: Sound Level Meter  
: 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 06:00 AM)	60.05	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
				Residential Area	55	45
				Silence Zone	50	40

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## TEST CERTIFICATE

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

Report Code : AN-160725-023  
ULR No. : TC1596425000002715F  
Test Report of : Ambient Noise  
Sample Discipline : Atmospheric Pollution  
Service Request No : NTL/SRF/07/25-012  
Service Request Date : 14/07/2025  
Report Issue Date : 22/07/2025

### SAMPLING & ANALYSIS DATA

Sample Drawn On	:	16/07/2025
Sample Drawn By	:	NTL Representative
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		
1.	EQUIVALENT NOISE LEVEL (06:00 AM to 06:00 AM)	63.0	dB(A)	Category of Area/Zone	Day Time 06.00 am to 10.00 pm	Night Time 10.00 pm to 06.00 am
				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  
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Address: Khasra No. 925, 1612 Rasoolpur,  
Salon Raebareli

Report Code : WW-160725-027  
ULR No. : TC1596425000002718F  
Test Report of : Waste Water  
Sample Discipline : Pollution & Environment  
Service Request No : NTL/SRF/07/25-012  
Service Request Date : 16/07/2025  
Report Issue Date : 22/07/2025

### SAMPLING & ANALYSIS DATA

Sample Drawn On : 16/07/2025  
Sample Drawn By : NTL Representative  
Sample Description : ETP Outlet  
Sample Quantity/Packing detail : 1 litre pet bottle/Glass Bottle  
Analysis Duration : 17/07/2025 to 22/07/2025  
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	7.44	-	6.5-8.5
2.	Total Suspended Solids at 105°C	IS:3025(Part-17):1984	18.0	mg/l	100 max
3.	Chemical Oxygen Demand (as O <sub>2</sub> )	IS 3025 (Part-58)	92.0	mg/l	250 max
4.	Biological Oxygen Demand (for 3 days at 27±1 °C)	IS:3025(Part-44):1993	15.0	mg/l	30 max
5.	Oil & grease	IS:3025(Part-39):1984	<4.0	mg/l	10 max
6.	Bio-assay Test (% Survival of fish after 96 hrs)	IS:6582-:1971	90.0	-	90 min

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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-160725-025  
ULR No. : TC1596425000002717F  
Test Report of : Stack Emission  
Sample Discipline : Atmospheric Pollution  
Service Request No : NTL/SRF/07/25-012  
Service Request Date : 14/07/2025  
Report Issue Date : 22/07/2025

### SAMPLING & ANALYSIS DATA

Sample Drawn on : 16/07/2025  
Sample Drawn By : NTL Representative  
Sample Description : Stack Emission  
Sampling Time : 30 minutes  
Sampling Plan & Procedure : SOP/SE/09  
Analysis Duration : 17/07/2025 to 22/07/2025  
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

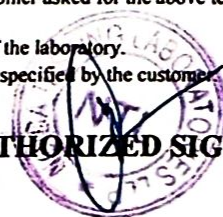
S.N.	Parameter	Test Method	Results	Units	Emission limits Upto 800 KW DG
1.	Particulate Matter (as PM)	IS:11255(Part-1)	0.068	g/kw-hr	0.3
2.	Sulphur dioxide (SO <sub>2</sub> )	IS:11255(Part-2)	6.05	mg /Nm <sup>3</sup>	No limit Specified
3.	Nitrogen dioxide (NO <sub>2</sub> )	IS:11255(Part-7)	1.40	g/kw-hr	9.2
4.	Carbon monoxide(as CO)	IS:13270	0.22	g/kw-hr	3.5
5.	Hydrocarbon(HC)	NTL/CHEM/SOP-018	0.12	g/kw-hr	1.3

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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-160725-024  
ULR No. : TC1596425000002716F  
Test Report of : Stack Emission  
Sample Discipline : Atmospheric Pollution  
Service Request No : NTL/SRF/07/25-012  
Service Request Date : 14/07/2025  
Report Issue Date : 22/07/2025

### SAMPLING & ANALYSIS DATA

Sample Drawn on	:	16/07/2025
Sample Drawn By	:	NTL Representative
Sample description	:	Incinerator Stack Emission
Sampling Time	:	30 minutes
Sampling Plan & Procedure	:	SOP/SE/09
Analysis Duration	:	17/07/2025 to 22/07/2025
Ambient Temperature (°C)	:	28
Stack Temperature (°C)	:	145
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)	28.56	mg/Nm <sup>3</sup>	50.0
2.	Nitrogen dioxide (NOx)	IS:11255(Part-7)	143.0	mg/Nm <sup>3</sup>	400.0
3.	Hydro chloride (HCl)	APHA-Air	5.98	mg/Nm <sup>3</sup>	50.0
4.	Carbon monoxide (as CO)	USEPA Method No.10	0.025	%	Limit not specified
5.	Carbon dioxide (CO <sub>2</sub> )	Orsat Apparatus	2.38	%	Limit not specified

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Issued To: M/s Ferrosang Enviro Solutions  
Private Limited

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

Report Code : MS-160725-026

Test Report of : Verification Autoclave

Service Request No : NTL/SRF/07/25-012

Service Request Date : 14/07/2025

Report Issue Date : 22/07/2025

### Sampling & Analysis Data

Sample Drawn On

Sample Description

Analysis Duration

: 16/07/2025

: Treated Spore stripes

: 17/07/2025 to 22/07/2025

### 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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