



TEST REPORT

ISSUED TO

SNG Envirosolutions Pvt. Ltd.
Mouza-Saharjora, P.O. & P.S.-Barjora
Bankura - 722202

REPORT NO : EFRAC/ENV/DXN/251219001

ISSUE DATE : 05/01/2026

REFERENCE NO : TRF

REF. DATE : 19/12/2025

PAGE NO : Page 1 of 5

KIND ATTENTION : Mr. Pintu Mukhopadhyay

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS

Sample Receipt Date & Time : 18/12/2025
Sample Registration Date : 19/12/2025
Sample Registration No : EFRAC/ENV/DXN/251219001/03/RA/00001
Sample Type/Particulars : Incinerator Stack

Batch No : Nil

Sample Quantity Received : 1 No
Sample Quantity Used : 1 No
Sample Drawn by : EFRAC
Start Of Sampling Date & Time : 16/12/2025
End Of Sampling Date & Time : N/A
Sampling Method : N/A
Sampler Name : Satyajit Mondal
Sample Condition : Fit for Analysis

SAMPLE ANALYSIS DETAILS

Analysis Starting Date : 20/12/2025 Analysis Completion Date : 05/01/2026

GENERAL INFORMATION ABOUT STACK

Stack Identification No. : Incinerator Stack	Stack Height From Ground Level (m) : 30 m
Shape Of Stack : Circular	Height Of Sampling Point From Ground Level (m) : 20 m
Stack Connected To : Incinerator	Stack Diameter At Sampling Point (m) : 0.4 m
Emmission Due To : Burning Of LPG & Bio-medical Waste	Material Of Construction Of Stack : M.S
Installed Capacity : 250 kg/hr	Platform & Ladder Type & Condition : Well & Permanent
Running Capacity : 240 kg/hr	Pollution Control Device : Dry Scrubber System (Ceramic Candel)
Fuel Used : LPG	Fuel Consumption : 150-200 Lit/hr
Remarks : NA	

TEST RESULTS

SL. NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Dioxins & Furans						
1	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.00024	-	<0.00024
2	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
3	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
4	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
5	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.024	-	<0.024
6	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.005	-	<0.005
7	Octachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.000015	-	<0.000015
8	1,2,3,4,6,7,8-Heptachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.00024	-	<0.00024
9	1,2,3,4,7,8,9-Heptachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.00024	-	<0.00024
10	1,2,3,4,7,8-Hexachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024

LOQ Limit of Quantitation; **BLQ**: Below Limit of Quantitation; **UOM** :Unit of Measurement; **MAX** : Maximum **MIN** :Minimum; **NMT**Not More Than; **NLT**: Not Less Than. **PR**Present; **AB**Absent. **N/A**: Not Applicable. **TEQ**: Toxicity Equivalent **BDL**: Below Detection Limit
Results reported in Bold denotes "Out of Specification" parameters

Please refer Terms & Conditions mentioned at the last page after the end of Test Report



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TEST RESULTS

SL. NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Dioxins & Furans						
11	1,2,3,6,7,8-Hexachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
12	1,2,3,7,8,9-Hexachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
13	1,2,3,7,8-Pentachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.00072	-	<0.00072
14	2,3,4,6,7,8-Hexachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
15	2,3,4,7,8-Pentachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0072	-	<0.0072
16	2,3,7,8-Tetrachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0005	-	<0.0005
17	Octachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.000015	-	<0.000015
18	Total Dioxins & Furans	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.01	Max:0.1	<0.01

Conclusion : The sample Conforms to the requirements as per CPCB guideline for incinerator stack emission monitoring for the above tested parameter(s) only. The concentrations of dioxins and furans are expressed in terms of Toxicity Equivalents (TEQ). This Statement is drawn on the basis of the Results Obtained for the Tested Parameters only.



Tarun Pravendra Tiwari
Authorized Signatory



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REF. DATE : 19/12/2025
PAGE NO : Page 3 of 5

KIND ATTENTION : Mr. Pintu Mukhopadhyay

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS

Sample Receipt Date & Time	: 18/12/2025	Sample Quantity Received	: 1 No
Sample Registration Date	: 19/12/2025	Sample Quantity Used	: 1 No
Sample Registration No	: EFRAC/ENV/DXN/251219001/03/MT/00001	Sample Drawn by	: EFRAC
Sample Type/Particulars	: Incinerator Stack	Start Of Sampling Date & Time	: 16/12/2025
Batch No	: Nil	End Of Sampling Date & Time	: N/A
		Sampling Method	: N/A
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit for Analysis

SAMPLE ANALYSIS DETAILS

Analysis Starting Date : 20/12/2025 Analysis Completion Date : 25/12/2025

GENERAL INFORMATION ABOUT STACK

Stack Identification No.	: Incinerator Stack	Stack Height From Ground Level (m)	: 30 m
Shape Of Stack	: Circular	Height Of Sampling Point From Ground Level (m)	: 20 m
Stack Connected To	: Incinerator	Stack Diameter At Sampling Point (m)	: 0.4 m
Emission Due To	: Burning Of LPG & Bio-medical Waste	Material Of Construction Of Stack	: M.S
Installed Capacity	: 250 kg/hr	Platform & Ladder Type & Condition	: Well & Permanent
Running Capacity	: 240 kg/hr	Pollution Control Device	: Dry Scrubber System (Ceramic Candel)
Fuel Used	: LPG	Fuel Consumption	: 150-200 Lit/hr
Remarks	: NA		

TEST RESULTS

SL. NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Metals & Minerals						
1	Mercury & its Compounds	mg/Nm ³	USEPA 29 : 2017	0.003	Max :0.02	<0.003

Conclusion : The Sample **Conforms** to the Requirements of STACK. This Statement is drawn on the basis of the Results Obtained for the Tested Parameters only.



Tarun Pravendra Tiwari
Authorized Signatory



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SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS

Sample Receipt Date & Time : 18/12/2025
Sample Registration Date : 19/12/2025
Sample Registration No : EFRAC/ENV/DXN/251219001/03/WC/00001
Sample Type/Particulars : Incinerator Stack
Batch No : Nil

Sample Quantity Received : 1 No
Sample Quantity Used : 1 No
Sample Drawn by : EFRAC
Start Of Sampling Date & Time : 16/12/2025
End Of Sampling Date & Time : N/A
Sampling Method : IS / EPA / CPCB
Sampler Name : Satyajit Mondal
Sample Condition : Fit for Analysis

SAMPLE ANALYSIS DETAILS

Analysis Starting Date : 19/12/2025 Analysis Completion Date : 22/12/2025

GENERAL INFORMATION ABOUT STACK

Stack Identification No. : Incinerator Stack	Stack Hight From Ground Level (m) : 30 m
Shape Of Stack : Circular	Hight Of Sampling Point From Ground Level (m) : 20 m
Stack Connected To : Incinerator	Stack Diameter At Sampling Point (m) : 0.4 m
Emmission Due To : Burning Of LPG & Bio-medical Waste	Material Of Construction Of Stack : M.S
Installed Capacity : 250 kg/hr	Platform & Ladder Type & Condition : Well & Permanent
Running Capacity : 240 kg/hr	Pollution Control Device : Dry Scrubber System (Ceramic Candel)
Fuel Used : LPG	Fuel Consumption : 150-200 Lit/hr
Remarks : NA	

TEST RESULTS

SL. NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical & Chemical						
1	Hydrochloric Acid	mg/Nm ³	USEPA Method 26A : 2017	N/A	Max: 50.0	1.48, 1.90 (11 % O ₂)
2	Oxides of Nitrogen (NOX)	mg/Nm ³	EPA Method 7E : 2020	N/A	MAX: 400.0	92.73, 118.88 (11% O ₂)
3	Particulate Matter	mg/Nm ³	IS 11255 (Part 1) : 1985 (RA 2003)	N/A	Max: 50.0	38.04, 48.77 (11 % O ₂)

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TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical & Chemical						
4	Combustion Efficiency	%	CPCB Emission Regulation (Part 3) : 1985	N/A	-	99.92

Conclusion : The Sample **Conforms** to the requirements of CPCB Guidelines for Incinerator Stack Emission Monitoring . This Statement is drawn on the basis of the Results Obtained for the Tested Parameters only.



Kaushik Mondal
Authorized Signatory

END OF THE TEST REPORT

LOQ Limit of Quantitation; **BLQ**: Below Limit of Quantitation; **UOM** :Unit of Measurement; **MAX** : Maximum **MIN** :Minimum; **NMT**Not More Than; **NLT**: Not Less Than. **PR** Present; **AB**Absent.
N/A: Not Applicable. **TEQ**: Toxicity Equivalent **BDL**: Below Detection Limit
Results reported in Bold denotes "Out of Specification" parameters

Please refer Terms & Conditions mentioned at the last page after the end of Test Report

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🔗 <https://efrac.org/wp-content/brochure/Terms-Conditions-for-EFRAC-Services%20.pdf>

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