

TEST REPORT

ISSUED TO Medicare Environmental Management Pvt.Ltd. Mouza-Mangalpur,Touzi No 19,Mannheim,Raniganj Durgapur - 713347 KIND ATTENTION : Mr. Gouranga Bera	REPORT NO : EFRAC/2022/ENV/06998 ISSUE DATE : 31/12/2022 CUSTOMER REF : TRF REF. DATE : 19/12/2022 PAGE NO : 01 of 07
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SAMPLE DETAILS

<u>SAMPLE REGISTRATION DETAILS</u>	
Sample Receipt Date : 19/12/2022	Sample Quantity Received : 1 no.
Sample Registration Date : 26/12/2022	Sample Quantity Used : 1 no.
Sample Registration No : EFRAC/2022/ENV/06998/03/WC/ 00052	Sample Submitted/Drawn by : EFRAC
Sample Type : Stack	Sampling Date : 17/12/2022
Batch No : Incinerator	Sampling Method : IS/EPA
	Sampler Name : Loton Dey
	Sample Condition : Fit For Analysis
<u>SAMPLE ANALYSIS DETAILS</u>	
Analysis Starting Date : 27/12/2022	Analysis Completion Date : 29/12/2022

GENERAL INFORMATION ABOUT STACK

Stack identification no	: Incinerator
Shape of Stack	: Circular
Stack Connected to	: DSS-Incinerator
Emission due to	: Burning of HSD and Biomedical Waste
Stack height from ground level(m)	: 30.0 m
Height of Sampling point from ground level(m)	: 20.19 m
Stack diameter at Sampling point(m)	: 1.0 m
Material of construction of stack	: RCC
Installed capacity	: 250 kg/hr
Running capacity	: 210 kg/hr
Fuel used	: HSD
Fuel consumption	: 30 lit/hr
Platform & ladder type & condition	: Well and Permanent
Pollution control device	: Bag House
Remarks	: NA

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.

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**Research & Analysis Centre:Subhas Nagar,PO:Nilgunj Bazar,Barasat,Kolkata-700121,Phone +91 33 7112 2800,
Email:efraclab@efrac.org,Website:www.efrac.org,CIN-U24100WB1921PLC004311**



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Sample Registration No : EFRAC/2022/ENV/06998/03/RA/ 00020	Sample Submitted/Drawn by : EFRAC
Sample Type : Stack	Sampling Date : 17/12/2022
Batch No : Incinerator	Sampling Method : IS/EPA
	Sampler Name : Loton Dey
	Sample Condition : Fit For Analysis
SAMPLE ANALYSIS DETAILS	
Analysis Starting Date : 27/12/2022	Analysis Completion Date : 31/12/2022

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Dioxin						
1	1 2 3 4 6 7 8-Heptachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.00024
2	1 2 3 4 7 8-Hexachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
3	1 2 3 7 8 9-Hexachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
4	1 2 3 7 8-Pentachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.024
5	2 3 7 8-Tetrachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.005

Remarks : TEQ:Toxicity Equivalent



Tarun Pravendra Tiwari
Dy. Group Leader
Authorized Signatory

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TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Dioxin (Contd.)						
6	1 2 3 6 7 8-Hexachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
7	Octachlorodibenzo-p-dioxin	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.000015

Remarks : TEQ:Toxicity Equivalent



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Dy. Group Leader
Authorized Signatory

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Sample Registration No : EFRAC/2022/ENV/06998/03/RA/ 00020	Sample Submitted/Drawn by : EFRAC
Sample Type : Stack	Sampling Date : 17/12/2022
Batch No : Incinerator	Sampling Method : IS/EPA
	Sampler Name : Loton Dey
	Sample Condition : Fit For Analysis
SAMPLE ANALYSIS DETAILS	
Analysis Starting Date : 27/12/2022	Analysis Completion Date : 31/12/2022

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Furans						
1	2 3 4 7 8-Pentachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0072
2	1 2 3 4 6 7 8-Heptachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.00024
3	1 2 3 4 7 8 9-Heptachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.00024
4	1 2 3 4 7 8-Hexachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
5	1 2 3 6 7 8-Hexachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024

Remarks : TEQ:Toxicity Equivalent



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Dy. Group Leader
Authorized Signatory

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TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Furans (Contd.)						
6	1 2 3 7 8 9-Hexachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
7	1 2 3 7 8-Pentachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.00072
8	2 3 4 6 7 8-Hexachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
9	2 3 7 8-Tetrachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.0005
10	Octachlorodibenzofuran	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	N/A	--	<0.000015
11	Total Dioxins & Furans	ng.TEQ/N m3	USEPA 23A/QA.16.4.73	0.01	Max: 0.1	<0.01

Remarks : TEQ:Toxicity Equivalent



Tarun Pravendra Tiwari
Dy. Group Leader
Authorized Signatory

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Sample Registration Date	: 26/12/2022	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2022/ENV/06998/03/MT/ 00046	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Stack	Sampling Date	: 17/12/2022
Batch No	: Incinerator	Sampling Method	: IS/EPA
		Sampler Name	: Loton Dey
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 27/12/2022	Analysis Completion Date	: 29/12/2022

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Heavy Metals						
1	Mercury (Hg) and its compounds	mg/kg	USEPA Method 29	0.0003	--	<0.0003

Remarks : None



Syed Saidul Alam
(E. CODE: EC56152)
Authorized Signatory

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Sample Type : Stack	Sampling Date : 17/12/2022
Batch No : Incinerator	Sampling Method : IS/EPA
	Sampler Name : Loton Dey
	Sample Condition : Fit For Analysis
SAMPLE ANALYSIS DETAILS	
Analysis Starting Date : 27/12/2022	Analysis Completion Date : 29/12/2022

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical and Chemical Parameters						
1	Particulate Matter	mg/Nm ³	IS 11255 (Part 1) - 1985, RA:2003	N/A	Max. 50.0	26.95 22.84 (11% O2 Correction)
2	Oxides Of Nitrogen(NOx)	mg/Nm ³	EPA Method 7E	N/A	Max. 400.0	33.07 28.02 (11% O2 Correction)
3	Hydrochloric Acid(HCL)	mg/Nm ³	USEPA 26	N/A	Max. 50.0	3.04 2.57 (11% O2 Correction)
4	Flow Rate	Nm3/hr	USEPA Method 2	N/A	--	18705
5	Combustion efficiency	%	CPCB Emission Regulation (Part-3): 1985	N/A	--	99.93

Remarks : Requirement given as per CPCB guideline for incinerator stack emission monitoring.



Kaushik Mondal
Group Leader
Authorized Signatory

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****END OF THE TEST REPORT****

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