



Edward Food Research & Analysis Centre Limited

QA.15.0.0.3

TEST REPORT

ISSUED TO	REPORT NO	: EFRAC/2022/ENV/07107
Medicare Environmental Management Pvt.Ltd	ISSUE DATE	: 18/01/2023
K-26, Phase-III, Industrial Growth Centre, Kalyani	CUSTOMER REF	: TRF
Kalyani - 741235	REF. DATE	: 31/12/2022
KIND ATTENTION : Mr. Suraj Shaw	PAGE NO	: 01 of 07

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
Sample Receipt Date	: 31/12/2022	Sample Quantity Received	: 1 no.
Sample Registration Date	: 31/12/2022	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2022/ENV/07107/03/WG/ 00415	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Stack Sample	Sampling Date	: 30/12/2022
Batch No	: Incinerator Stack	Sampling Method	: IS/EPA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 01/01/2023	Analysis Completion Date	: 05/01/2023

GENERAL INFORMATION ABOUT STACK

Stack identification no	: Incinerator Stack
Shape of Stack	: Circular
Stack Connected to	: Incinerator
Emission due to	: Burning of Biomedical Waste and HSD
Stack height from ground level(m)	: 30.0 m
Height of Sampling point from ground level(m)	: 20.0 m
Stack diameter at Sampling point(m)	: 0.4 m
Material of construction of stack	: RCC
Installed capacity	: 250 kg/hr
Running capacity	: 210 kg/hr
Fuel used	: HSD
Fuel consumption	: 22-30 lit/hr
Platform & ladder type & condition	: Well and Permanent
Pollution control device	: Wet venturi and Wet scrubber
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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TC-5817

ULR-TC581722000017344F

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SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS		
Sample Receipt Date	: 31/12/2022	Sample Quantity Received
Sample Registration Date	: 31/12/2022	: 1 no.
Sample Registration No	: EFRAC/2022/ENV/07107/03/RA/ 00234	Sample Quantity Used
Sample Type	: Stack Sample	: 1 no.
Batch No	: Incinerator Stack	Sample Submitted/Drawn by
		: EFRAC
		Sampling Date
		: 30/12/2022
		Sampling Method
		: IS/EPA
		Sampler Name
		: Salyajit Mondal
		Sample Condition
		: Fit For Analysis
SAMPLE ANALYSIS DETAILS		
Analysis Starting Date	: 30/12/2022	Analysis Completion Date
		: 13/01/2023

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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www.efrac.org, CIN : U24100WB1921PLC004311



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Medicare Environmental Management Pvt.Ltd
K-26, Phase-III, Industrial Growth Centre, Kalyani
Kalyani - 741235
KIND ATTENTION : Mr. Suraj Shaw

REPORT NO

: EFRAC/2022/ENV/07107

ISSUE DATE

: 18/01/2023

CUSTOMER REF

: TRF

REF. DATE

: 31/12/2022

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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
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SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS			
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Sample Registration Date	: 31/12/2022	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2022/ENV/07107/03/RA/ 00234	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Stack Sample	Sampling Date	: 30/12/2022
Batch No	: Incinerator Stack	Sampling Method	: IS/EPA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 30/12/2022	Analysis Completion Date	: 13/01/2023

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



Tarun Pravendra Tiwari
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	N/A	Max:0.1	<0.01

Remarks : TEQ:Toxicity Equivalent



Tarun Pravendra Tiwari
Dy. Group Leader
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Sample Registration Date	: 31/12/2022	Sample Quantity Used	: 1 no.
Sample Registration No	: EFRAC/2022/ENV/07107/03/MT/ 00354	Sample Submitted/Drawn by	: EFRAC
Sample Type	: Stack Sample	Sampling Date	: 30/12/2022
Batch No	: Incinerator Stack	Sampling Method	: IS/EPA
		Sampler Name	: Satyajit Mondal
		Sample Condition	: Fit For Analysis
SAMPLE ANALYSIS DETAILS			
Analysis Starting Date	: 31/12/2022	Analysis Completion Date	: 04/01/2023

TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Heavy Metals						
1	Mercury (Hg) and its compounds	mg/Nm ³	USEPA Method 29	N/A	0.05	<0.0003

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



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

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Sample Registration No : EFRAC/2022/ENV/07107/03/WC/ 00415	Sample Submitted/Drawn by : EFRAC
Sample Type : Stack Sample	Sampling Date : 30/12/2022
Batch No : Incinerator Stack	Sampling Method : IS/EPA
	Sampler Name : Satyajit Mondal
	Sample Condition : Fit For Analysis
SAMPLE ANALYSIS DETAILS	
Analysis Starting Date : 01/01/2023	Analysis Completion Date : 05/01/2023

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	19.43 15.42 (11% O2 Correction)
2	Oxides Of Nitrogen(NOx)	mg/Nm ³	EPA Method 7E	N/A	Max:400.0	43.11 34.21 (11% O2 Correction)
3	Hydrochloric Acid(HCL)	mg/Nm ³	USEPA 26	N/A	Max:50.0	2.67 2.12 (11% O2 Correction)
4	Flow Rate	Nm ³ /hr	USEPA Method 2	N/A	--	3490
5	Combustion efficiency	%	CPCB Emission Regulation (Part-3): 1985	N/A	--	99.92

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



Kaushik Mondal
Group Leader
Authorized Signatory

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