



ULR-TC581724000042923F

**TEST REPORT**

**ISSUED TO**

West Bengal Waste Management Ltd

J.L. No. 80, Mouza- Pabayan, P.O- Bisjor, P.S.- Saltora Saltora - 722158

**REPORT NO**

: EFRAC/ENV/DXN/241026003

**ISSUE DATE**

: 15/11/2024

**CUSTOMER REF**

: TRF & Sample Collection form

**REF. DATE**

: 30/10/2024

**PAGE NO**

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**KIND ATTENTION** : Mr. Atul Pandey

**SAMPLE DETAILS**

**SAMPLE REGISTRATION DETAILS**

Sample Receipt Date : 26/10/2024

Sample Registration Date : 30/10/2024

Sample Registration No : EFRAC/ENV/DXN/241026003/03/RA/00121

Sample Type : Incinerator Stack

Batch No : Incinerator Stack

Sample Quantity Received : 1no.

Sample Quantity Used : 1no.

Sample Submitted/Drawn by : Efrac

Sampling Date : 23/10/2024

Sampling Method : N/A

Sampler Name : Nipan Dutta

Sample Condition : Fit For Analysis

**SAMPLE ANALYSIS DETAILS**

Analysis Starting Date : 30/10/2024

Analysis Completion Date : 15/11/2024

**TEST RESULTS**

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
<b>Dioxin</b>						
1	1 2 3 4 6 7 8-Heptachlorodibenzo-p-dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.00024
2	1 2 3 7 8 9-Hexachlorodibenzo-p-dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
3	1 2 3 7 8-Pentachlorodibenzo-p-dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.024
4	2 3 7 8-Tetrachlorodibenzo-p-dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.005
5	1 2 3 6 7 8-Hexachlorodibenzo-p-dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
6	1 2 3 4 7 8-Hexachlorodibenzo-p-dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
7	Octachlorodibenzo-p-dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.000015
<b>Dioxins &amp; Furans</b>						
1	Total Dioxins & Furans	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.01	Max:0.1	<0.01
<b>Furans</b>						
1	2 3 4 7 8-Pentachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.0072
2	1 2 3 4 6 7 8-Heptachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.00024
3	1 2 3 4 7 8 9-Heptachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.00024
4	1 2 3 4 7 8-Hexachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
5	1 2 3 6 7 8-Hexachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024

LOQ: Limit of Quantitation; BLQ: Below Limit of Quantitation; UOM:Unit of Measurement; MAX : Maximum; MI :Minimum; NMT:Not More Than; NLT: Not Less Than. PR : Present; AB: Absent. N/A: Not Applicable.

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

Research & Analysis Centre:Subhass Nagar,PO:Nilgunj Bazar,Barasat,Kolkata-700121,CIN-U24100WB1921PLC004311,  
Website:www.efrac.org,Email:customerservice@efrac.org,Phone +91 62 9228 5738



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**TEST REPORT**

<b>ISSUED TO</b> West Bengal Waste Management Ltd J.L. No. 80, Mouza- Pabayan, P.O- Bisjor, P.S.- Saltora Saltora - 722158	<b>REPORT NO</b> : EFRAC/ENV/DXN/241026003 <b>ISSUE DATE</b> : 15/11/2024 <b>CUSTOMER REF</b> : TRF & Sample Collection form <b>REF. DATE</b> : 30/10/2024 <b>PAGE NO</b> : Page 2 of 6
<b>KIND ATTENTION</b> : Mr. Atul Pandey	

**TEST RESULTS**

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
<b>Furans</b>						
6	1 2 3 7 8 9-Hexachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
7	1 2 3 7 8-Pentachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.00072
8	2 3 4 6 7 8-Hexachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.0024
9	2 3 7 8-Tetrachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	N/A	--	<0.0005
10	Octachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/OA.16.4.73	N/A	--	<0.000015

**Remarks** : TEQ:Toxicity Equivalent



Tarun Pravendra Tiwari  
Authorized Signatory



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**PAGE NO** : Page 3 of 6

**KIND ATTENTION** : Mr. Atul Pandey

**SAMPLE DETAILS**

**SAMPLE REGISTRATION DETAILS**

Sample Receipt Date : 26/10/2024	Sample Quantity Received : 1no.
Sample Registration Date : 30/10/2024	Sample Quantity Used : 1no.
Sample Registration No : EFRAC/ENV/DXN/241026003/03/MT/00018	Sample Submitted/Drawn by : Efrac
Sample Type : Incinerator Stack	Sampling Date : 23/10/2024
	Sampling Method : IS / EPA
Batch No : Incinerator Stack	Sampler Name : Nipan Dutta
	Sample Condition : Fit For Analysis

**SAMPLE ANALYSIS DETAILS**

Analysis Starting Date : 31/10/2024      Analysis Completion Date : 12/11/2024

**TEST RESULTS**

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
<b>Heavy Metals</b>						
1	Hg and its compounds	mg/Nm <sup>3</sup>	USEPA Method 29	0.003	Max :0.02	<0.003
2	Cd + Th + their compounds	mg/Nm <sup>3</sup>	USEPA Method 29	0.003	- -	<0.003

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**TEST REPORT**

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<b>KIND ATTENTION</b> : Mr. Atul Pandey	

**TEST RESULTS**

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
<b>Heavy Metals</b>						
3	Heavy metals (Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds)	mg/Nm <sup>3</sup>	USEPA Method 29	0.003	Max :0.5	<0.003

**Remarks** : Sample confirms to the requirements as per CPCB guideline for incinerator stack emission monitoring for the above tested parameter only.



Arun Kumar  
Authorized Signatory



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**KIND ATTENTION** : Mr. Atul Pandey

**SAMPLE DETAILS**

**SAMPLE REGISTRATION DETAILS**

Sample Receipt Date : 26/10/2024

Sample Registration Date : 30/10/2024

Sample Registration No : EFRAC/ENV/DXN/241026003/03/WC/00033

Sample Type : Incinerator Stack

Batch No : Incinerator Stack

Sample Quantity Received : 1no.

Sample Quantity Used : 1no.

Sample Submitted/Drawn by : Efrac

Sampling Date : 23/10/2024

Sampling Method : IS / EPA

Sampler Name : Nipan Dutta

Sample Condition : Fit For Analysis

**SAMPLE ANALYSIS DETAILS**

Analysis Starting Date : 30/10/2024

Analysis Completion Date : 07/11/2024

**TEST RESULTS**

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
<b>Physical and Chemical Parameters</b>						
1	Temperature	°C	IS: 11255 (Part-3): 1985	N/A	--	72.0
2	Carbon Monoxide (CO)	mg/Nm <sup>3</sup>	EPA Method 10B	N/A	Max:100.0	50.85, 63.56 (11% O2 correction)
3	Carbon Dioxide (CO2)	%	IS: 13270 : 1992, RA 2003	N/A	--	6.8
4	Oxides of Nitrogen (NOx)	mg/Nm <sup>3</sup>	EPA Method 7E	N/A	Max:400.0	46.58, 58.22 (11% O2 correction)
5	Oxygen (O2)	%	IS: 13270 : 1992, RA 2003	N/A	--	13.4
6	Velocity	m/s	IS 11255: Part 3, sec 2	N/A	--	8.63
7	Flow Rate	Nm3/hr	IS: 11255 (Part-3): 1985	N/A	--	20523.00
8	Sulphur Dioxide (SO2)	mg/Nm <sup>3</sup>	EPA Method 6C	N/A	Max:200.0	80.51, 100.63 (11% O2 correction)
9	Moisture	%	USEPA Method 4	N/A	--	1.4
10	Hydrocarbon	mg/Nm <sup>3</sup>	In House Method QA.16.5.222 by Analyzer, DOI: 12.01.2017	N/A	--	10.08, 12.6 (11% O2 correction)

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**TEST RESULTS**

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
11	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part 1) - 1985. RA 2003	N/A	Max:50.0	35.54, 44.42 (11% O2 correction)

**Remarks** : The Sample conforms to the requirements as per CPCB guideline for incinerator stack emission monitoring for the above tested parameter only.



Kaushik Mondal  
Authorized Signatory

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