

**Vimta Labs Limited**

Registered Office  
142, IDA Phase II, Cherlapally  
Hyderabad-500 051, Telangana, India  
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Driven by Quality. Inspired by Science.

**ISSUED TO:**

**M/S. EN-VISION ENVIRO ENGINEERS PVT LTD,**  
**(SURVEY NO: 58/03, WASTE MANAGEMENT SITE)**  
**UMBARDE GAON, ADHARWADI JAIL ROAD,**  
**KALYAN (WEST)**  
**MAHARASHTRA-421301, India.**

Report Number : VLL/VLS/22/04642/001  
Issued Date : 2022-06-28  
P.O. Date : EEEPL/KL/009/2022-23  
P.O. Date : 2022.06.20

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**SAMPLE PARTICULARS** : Bio Medical Waste incineration Stack.

Sample Registration Date : 2022-06-20 Sampling Date : 2022-06-18  
Analysis Starting Date : 2022-06-20 Analysis Completion Date : 2022-06-28  
Test Required : O<sub>2</sub>, CO and CO<sub>2</sub>,  
Capacity of Incinerator : 100 Kg/Hr  
Fuel Used : Diesel  
Sample collected by Vimta Labs Ltd.

**TEST REPORT**

Sr.No.	Parameters	UoM	Method of Testing	Results
1	Dia of the Stack	M	--	0.5
2	Flue gas Temperature	°C	--	51
3	Velocity of Flue Gas	m/sec	USEPA M-2	8.35
4	Volumetric Flow Rate	Nm <sup>3</sup> /Hr	USEPA M-2	5303
5	Oxygen as O <sub>2</sub>	%	USEPA CTM 30&34 by Combustion Analyser	14.1
6	Carbon Dioxide as CO <sub>2</sub>	%		6.4

  
Dr. Subba Reddy Mallampati  
Dy. Manager-Environment

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**SAMPLE PARTICULARS** : Bio Medical Waste incineration Connected Stack.

Sample Registration Date	: 2022-06-20	Sampling Date	: 2022-06-18
Analysis Starting Date	: 2022-06-20	Analysis Completion Date	: 2022-06-28
Test Required	: PCDD& PCDF		
Incinerator Capacity	: 100 Kg/Hr		
Fuel Used	: Diesel		
Sample collected by Vimta labs Ltd.			

**TEST REPORT**

Congeners of Dioxin & Furans		Concentration		
		Concentration (ng)	TEF	TEQ (ng)
1	1234678-HpCDD	0.000	0.01	0.000
2	1234678-HpCDF	0.000	0.01	0.000
3	1234789-HpCDF	0.000	0.01	0.000
4	123478-HxCDD	0.000	0.1	0.000
5	123478-HxCDF	0.000	0.1	0.000
6	123678-HxCDD	0.000	0.1	0.000
7	123678-HxCDF	0.000	0.1	0.000
8	123789-HxCDD	0.820	0.1	0.082
9	123789-HxCDF	0.169	0.1	0.017
10	12378-PeCDD	0.016	0.5	0.008
11	12378-PeCDF	0.007	0.05	0.000
12	234678-HxCDF	0.007	0.1	0.001
13	23478-PeCDF	0.111	0.5	0.055
14	2378-TCDD	0.000	1	0.000
15	23478-TCDF	0.002	0.1	0.000
16	OCDD	0.000	0.001	0.000
17	OCDF	0.143	0.001	0.000
<b>Total ng TEQ</b>				<b>0.1636</b>
<b>Vstd (Nm<sup>3</sup>)</b>				<b>5.355</b>
<b>ng TEQ/Nm<sup>3</sup></b>				<b>0.0305</b>
<b>% of O2 in Flue Gas</b>				<b>14.1</b>
<b>Total Furans &amp; Dioxins (ng TEQ/Nm<sup>3</sup> at 11 % O2 Correction)</b>				<b>0.0445</b>
<b>Limits as per As per Schedule II of the Bio-medical Waste Management Rules, 2016.</b> <b>ng TEQ/Nm<sup>3</sup> at 11 % O2</b>				<b>&lt;0.1</b>

**Dr. Subba Reddy Mallampati**  
**Dy. Manager-Environment**