

**ISSUED TO:**

**M/s. MUMBAI WASTE MANAGEMENT LTD.,  
(A DIVISION OF RAMKY ENVIRO ENGINEERES LTD)  
PLOT NO: P-32, BEHIND GALAXY SURFACTANTS,  
MIDC TALOJA,  
PANVEL TALUKA, RAIGAD DISTRICT,  
MAHARASTHRA 410 208**

Report Number : VLL/VLS/24/12209/BMW/01  
Issued Date : 2024.10.04  
P. Order Ref : 0400115208  
P.O. Date : 22.08.2024

**SAMPLE PARTICULARS : Stack Connected to Bio-Medical Waste Incinerator.**

Sampling Date	: 2024.09.20	Sample Registration Date	: 2024.09.25
Analysis Starting Date	: 2024.09.26	Analysis Completion Date	: 2024.10.04
Test Required	: Velocity, Flow rate, O <sub>2</sub> , CO <sub>2</sub> , CO, NOX, SO <sub>2</sub> , HCl, HF, TOC and PM, HC		
Raw Material Used	: Pharmaceutical waste, Solid waste & Liquid waste		
Sample collected by	Vimta Labs Ltd.		

**TEST REPORT**

Sr. No.	Parameters	UoM	Method of Testing	Results	Limits as per MoEF & CC Notification GSR 497(E)
1	Total Height of Stack	m	--	30	--
2	Flue gas temperature	0C	-	55	--
3	Dia of the Stack	m	--	0.78	--
4	Velocity of Flue Gas,	m/sec	USEPA Method 3	9.2	--
5	Volumetric Flow Rate	Nm <sup>3</sup> /Hr		14509	--
6	Oxygen as O <sub>2</sub>	%	by Combustion Analyser	10.9	--
7	Carbon Dioxide as CO <sub>2</sub>	%		7.8	--
8	Carbon Monoxide as CO	mg/Nm <sup>3</sup>		33.8	<b>50.0</b>
9	Oxides as Nitrogen as NO <sub>x</sub> as NO <sub>2</sub>	mg/Nm <sup>3</sup>	USEPA Method -07	298	<b>400.0</b>
10	Sulphur dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	USEPA Method -06	93.4	<b>200</b>
11	Hydrogen Chloride as HCl	mg/Nm <sup>3</sup>	USEPA Method -26	34.3	<b>50.0</b>
12	Hydrogen Fluoride as HF	mg/Nm <sup>3</sup>	USEPA method -13	1.45	<b>4.0</b>
13	Total Organic Compounds as TOC	mg/Nm <sup>3</sup>	USEPA method -40 & MM5(10)	11.8	<b>20.0</b>
14	Particulate Matter as PM	mg/Nm <sup>3</sup>	USEPA Method 5	45.6	<b>50.0</b>
15	Hydrocarbons	ppm	Flue Gas Analyzer	13.2	--

All the Values are represented at 11 % O<sub>2</sub>.  
ELV-Emission Limit Value



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