

To,
Kalyan-Dombivali Municipal Corporation
En-Vision Enviro Engineers Pvt. Ltd.
Survey No: 58/03, Waste Management Site,
Adharwadi Jail Road,
Umarde Gaon, Kalyan [W]
Maharashtra

This is certify that the undernoted product has been tested with satisfactory result in accordance with the relevant requirement of the En-Vision Enviro Engineers Pvt. Ltd.

Incinerator Tested By: L.D. ENGINEERING, Ahmadabad

Incinerator Type DISPOSAL OF BIO-MEDICALWASTE

As on Date: 07.09.2019

A STANDARDS FOR INCINERATION

	Results
1. Combustion efficiency (CE) :	99.10%.
2. Temperature of the primary chamber:	847 C
3. Temperature of secondary chamber:	1056 C
4. Secondary chamber gas residence:	2.9 seconds

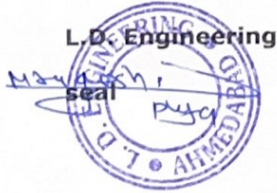
B EMISSION STANDARDS

Parameters	Unit	Results
1. Average Flue Gas Velocity:	M/Sec	2.03
2. Suspended Particulars Matter:	Mg/Nm ³	102
3. NOx:	Mg/Nm ³	6.7
4. HCL:	Mg/Nm ³	4.10

Certificate No: LDE/ 016/2019

Issue Date: 10/09/2019

L.D. Engineering



TO WHOMSOEVER IT MAY CONCERN

We hereby certify that the **Kalyan - Dombivali Municipal Corporation (En-Vision Enviro Engineers Pvt. Ltd.)** Oil/Gas Fired Incinerator of designed Capacity 100 kg/hr installed at M/s En-Vision Enviro Engineers Pvt. Ltd.-, has been supplied by L D. ENGINEERING. The said incinerator has more than or equal to 2 seconds flue gas Residence Time in secondary combustion chamber at 1050°C at its designed capacity. The technical data sheet of specification in respect of the said incinerator is enclosed herewith. The incinerator was installed/upgraded by as on 01.09.2019

Authorized Signature



TECHNICAL DATA SHEET ON BIOMEDICAL WASTE INCINERATOR

Name of the CBWTF: **EN-VISION ENVIRO ENGINEERS PVT. LTD.**

Name of the Manufacturer : **L.D. ENGINEERING**

Capacity of the Incinerator (in kg/hr): **100 Kilogram per Hour**

Residence time of flue gas at 1050°C : **2.3 seconds**

Flow of flue gas through Secondary Combustion Chamber (m³/sec): 1.4

Volume of Secondary Combustion Chamber (in m³): 3.28

Thermal Capacity of the incinerator (in Million Kcal/hr): 3.25



Authorized Signatory

Verification of Two Seconds Residence Time in Secondary Combustion Chamber of the Biomedical Waste Incinerator

Capacity of the Incinerator in kg/hr	Volume of secondary combustion chamber in m ³	Estimated Thermal Capacity in Million Kcal/Hour (±10 %)
50	1.2 – 1.8	0.16
100	2.5 – 3.75	0.35
150	3.8 – 5.02	0.5
200	5.2 – 6.0	0.6
250	6.3 – 8.75	0.7
300	9.0 - 9.5	0.9
500	12.8 – 15.5	1.5
750	19.2 – 25	2.3
1000	26 – 31	3.5

Note.: Based on information provided by manufacturers of Incinerators