

ISSUED TO:

M/s. MUMBAI WASTE MANAGEMENT LYD.,
(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/25/13976/HZW/01
Issued Date : 2025.10.15
P. Order Ref : 0400130175
P.O. Date : 22.09.2025

SAMPLE PARTICULARS : Stack Connected to Hazardous Waste Incinerator.

Sampling Date	: 2025.09.26	Sample Registration Date	: 2025.09.29
Analysis Starting Date	: 2025.09.30	Analysis Completion Date	: 2025.10.15
Test Required	: Velocity, Flow rate, O ₂ , CO ₂ , CO, NO _x , SO ₂ , 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	#ELV as per as per Consent Order
1	Total Height of Stack	m	--	50	--
2	Flue gas temperature	0C	-	81	--
3	Dia of the Stack	m	--	1.27	--
4	Velocity of Flue Gas,	m/sec	USEPA Method 3	9.44	--
5	Volumetric Flow Rate	Nm ³ /Hr		36616	--
6	Oxygen as O ₂	%	by Combustion Analyser	13.5	--
7	Carbon Dioxide as CO ₂	%		13.1	--
8	Carbon Monoxide as CO	mg/Nm ³		34.6	50.0
9	Oxides as Nitrogen as NO _x as NO ₂	mg/Nm ³	USEPA Method -07	361	400.0
10	Sulphur dioxide as SO ₂	mg/Nm ³	USEPA Method -08	83.4	200.
11	Hydrogen Chloride as HCl	mg/Nm ³	USEPA Method -26	34.5	50.0
12	Hydrogen Fluoride as HF	mg/Nm ³	USEPA method -13B	1.76	4.0
13	Total Organic Compounds as TOC	mg/Nm ³	USEPA method -40 & MM5(10)	13.9	20.0
14	Particulate Matter as PM	mg/Nm ³	USEPA Method 5	25.3	50.0
15	Hydrocarbons	ppm	Flue Gas Analyzer	18.2	--

All the Values are represented at 11 % O₂.
ELV-Emission Limit Value

Dr. Subba Reddy Mallampati
Manager-Environment.

Vimta Labs Limited

Registered Office
142, IDA Phase II, Cherlapally
Hyderabad-500 051, Telangana, India
T : +91 40 2726 4141
F : +91 40 2726 3657



Driven by Quality. Inspired by Science.

ISSUED TO:

M/s. MUMBAI WASTE MANAGEMENT LYD.,
(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/25/13976/HZW/01
Issued Date : 2025.10.15
P. Order Ref : 0400130175
P.O. Date : 22.09.2025

Page 2 of 3

SAMPLE PARTICULARS : **Stack Connected to Hazardous Waste Incinerator.**

Sampling Date	: 2025.09.26	Sample Registration Date	: 2025.09.29
Analysis Starting Date	: 2025.09.30	Analysis Completion Date	: 2025.10.15
Test Required	: Mercury as Hg; Cd + Tl its compounds+ As+ Pb+ Co+ Cr+ Cu+ Mn+ Ni+ V+ Their compounds		
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	#ELV as per as per Consent Order
1	Mercury as Hg + their Compound	mg/Nm ³	USEPA Method -29	0.014	<0.05
2	Cadmium + Thallium (Cd + Tl) + their Compound			<0.001	<0.05
3	Chromium as Cr + their Compound			0.006	--
4	Manganese as Mn + their Compound			0.011	
5	Arsenic as As + their Compound			0.006	
6	Antimony as Sb + their Compound			0.008	
7	Lead as Pb + their Compound			0.011	
8	Cobalt as Co + their Compound			0.012	
9	Copper as Cu + their Compound			0.011	
10	Nickel as Ni + their Compound			0.012	
11	Vanadium as V + their Compound			0.015	
12	Total Metals: Sb+ As+ Pb+ Co+ Cr+ Cu+ Mn+ Ni+ V+ Their compounds			0.092	

Instruments used: GC-FID, ICP-MS, Cold Vapor AAS and GC-MS
All the values are represented at 11% O₂.

Dr. Subba Reddy Mallampati
Manager-Environment.

ISSUED TO:

M/s. MUMBAI WASTE MANAGEMENT LYD.,
(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/25/13976/HZW/01
Issued Date : 2025.10.15
P. Order Ref : 0400130175
P.O. Date : 22.09.2025

Page 3 of 3

SAMPLE PARTICULARS : Stack Connected to Hazardous Waste Incinerator.

Sampling Date	: 2025.09.26	Sample Registration Date	: 2025.09.29
Analysis Starting Date	: 2025.09.30	Analysis Completion Date	: 2025.10.15
Test Required	: PCDD& PCDF		
Raw Material Used	: Pharmaceutical waste, Solid waste & Liquid waste		
Sample collected by	Vimta Labs Ltd.		

TEST REPORT

Sr.No.	Parameters	UoM	Results
Physical Parameters			
1	Diameter of the Stack	m	1.27
2	Temperature	°C	81
3	Velocity	m/sec	9.44
4	Volumetric flow rate	Nm ³ /Hr	36616
Congeners of Dioxin and Furans			
1	12378-PeCDD	ng/Nm ³ , TEQ	0.00210
2	123478-HxCDD		0.00296
3	123678-HxCDD		0.00043
4	123789-HxCDD		0.00149
5	1234678-HpCDD		0.00036
6	OCDD		0.00006
7	2378-TCDF		0.00011
8	12378-PeCDF		0.00031
9	23478-PeCDF		0.00488
10	123478-HxCDF		0.05165
11	123678-HxCDF		0.00365
12	123789-HxCDF		0.00924
13	234678-HxCDF		0.00044
14	1234678-HpCDF		0.00049
15	1234789-HpCDF		0.00001
16	OCDF		0.00014
17	12378-PeCDD		0.00014
Total Dioxin and Furans ng/Nm³, TEQ Corrected to 11% O₂			0.0785
Limits as per MoEF&CC Notification GSR 497(E)			<0.1

Method of Testing: As per USEPA 23 A & 8290



Dr. Subba Reddy Mallampati
Manager-Environment.