

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/23/04717/BMW/01
Issued Date : 2023.06.26
P. Order Ref : 0400089687
P.O. Date : 09.08.2022

Page 1 of 2

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

Sampling Date : 2023.06.14 Sample Registration Date : 2023.06.16
Analysis Starting Date : 2023.06.16 Analysis Completion Date : 2023.06.26
Test Required : Velocity, Flow rate, O₂, CO₂, CO, NOX, SO₂, 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	-	69	--
3	Dia of the Stack	m	--	0.78	--
4	Velocity of Flue Gas,	m/sec	USEPA Method 3	7.2	--
5	Volumetric Flow Rate	Nm ³ /Hr		11173	--
6	Oxygen as O ₂	%	by Combustion Analyser	13.4	--
7	Carbon Dioxide as CO ₂	%		8.9	--
8	Carbon Monoxide as CO	mg/Nm ³		36.1	50.0
9	Oxides as Nitrogen as NO _x as NO ₂	mg/Nm ³	USEPA Method -07	201	400.0
10	Sulphur dioxide as SO ₂	mg/Nm ³	USEPA Method -06	58.4	200
11	Hydrogen Chloride as HCl	mg/Nm ³	USEPA Method -26	21.6	50.0
12	Hydrogen Fluoride as HF	mg/Nm ³	USEPA method -13	0.48	4.0
13	Total Organic Compounds as TOC	mg/Nm ³	USEPA method -40 & MM5(10)	11.7	20.0
14	Particulate Matter as PM	mg/Nm ³	USEPA Method 5	45.9	150.0
15	Hydrocarbons	ppm	Flue Gas Analyzer	18.5	--

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,
MAHARASHTRA 410 208**

Report Number : VLL/VLS/23/04717/BMW/01
Issued Date : 2023.06.26
P. Order Ref : 0400089687
P.O. Date : 09.08.2022

Page 2 of 2

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

Sampling Date	: 2023.06.14	Sample Registration Date	: 2023.06.16
Analysis Starting Date	: 2023.06.16	Analysis Completion Date	: 2023.06.26
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	Limits as per MoEF&CC Notification GSR 497(E)
1	Mercury as Hg + their Compound	mg/Nm ³	USEPA method -29	0.028	<0.05
2	Cadmium + Thallium (Cd + Tl) + their Compound			<0.001	<0.05
3	Chromium as Cr + their Compound			0.036	--
4	Manganese as Mn + their Compound			0.023	
5	Arsenic as As + their Compound			0.019	
6	Antimony as Sb + their Compound			0.014	
7	Lead as Pb + their Compound			0.019	
8	Cobalt as Co + their Compound			0.077	
9	Copper as Cu + their Compound			0.011	
10	Nickel as Ni + their Compound			0.014	
11	Vanadium as V + their Compound			0.016	
12	Total Metals: Sb+ As+ Pb+ Co+ Cr+ Cu+ Mn+ Ni+ V+ Their compounds			0.257	

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.**

Life Sciences Campus, # 5, MN Science & Technology Park, Genome Valley, Shamirpet, Hyderabad - 500 101, Telangana, India
T : +91 40 6740 4040 E : mdoffice@vimta.com URL : www.vimta.com

CIN : L24110TG1990PLC011977

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,
MAHARASHTRA 410 208**

Report Number : VLL/VLS/23/04717/BMW/02
Issued Date : 2023.06.26
P. Order Ref : 0400089687
P.O. Date : 09.08.2022

Page 1 of 1

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

Sampling Date	: 2023.06.14	Sample Registration Date	: 2023.06.16
Analysis Starting Date	: 2023.06.16	Analysis Completion Date	: 2023.06.26
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	0.78
2	Temperature	°C	69
3	Velocity	m/sec	7.2
4	Volumetric flow rate	Nm ³ /Sec	11173
Congeners of Dioxin and Furans			
1	2,3,7,8-TetraCDD	ng/Nm ³ , TEQ	0.0000
2	1,2,3,7,8-PentaCDD		0.0016
3	1,2,3,4,7,8-HexaCDD		0.0001
4	1,2,3,6,7,8-HexaCDD		0.0007
5	1,2,3,7,8,9-HexaCDD		0.0036
6	1,2,3,4,6,7,8-HeptaCDD		0.0000
7	OctaCDD		0.0000
8	2,3,7,8-TetraCDF		0.0017
9	1,2,3,7,8-PentaCDF		0.0071
10	2,3,4,7,8-PentaCDF		0.0110
11	1,2,3,4,7,8-HexaCDF		0.0066
12	1,2,3,6,7,8-HexaCDF		0.0028
13	1,2,3,7,8,9-HexaCDF		0.0094
14	2,3,4,6,7,8-HexaCDF		0.0006
15	1,2,3,4,6,7,8-HeptaCDF		0.0018
16	1,2,3,4,7,8,9-HeptaCDF		0.0006
17	OctaCDF		0.0004
Total Dioxin and Furans ng/Nm³, TEQ			0.0481
Total Dioxin and Furans ng/Nm³, TEQ Corrected to 11% O₂			0.0780
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.**

Life Sciences Campus, # 5, MN Science & Technology Park, Genome Valley, Shamirpet, Hyderabad - 500 101, Telangana, India
T : +91 40 6740 4040 E : mdoffice@vimta.com URL : www.vimta.com

CIN : L24110TG1990PLC011977