



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Green Tech Environ Management Pvt. Ltd.	Type of Industry	: Bio-Medical Waste Treatment and Disposal Unit
Address	: Mouza - Dihinarayani, Amratala, Dharma Road, Plot - 164, J. L. No. - 23 & 24, 24 Pgs. (S), Pin - 743503	Sampling Date	: 09.05.2022
		Period of Analysis	: 09.05.2022 - 10.05.2022
		Date of Issue	: 12.05.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample ID No.	: ENV/35/May/A/I	Report No.	: ENV/35/May/TR(A)/1/22-23
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Incinerator	Height of Stack (mtr.) (from G. L.)	: 30.48
Shape of Stack	: Circular	Stack I.D. at sampling point (mtr.)	: 0.381
Materials of Construction	: M.S.	Height of sampling port (mtr.) (from G.L.)	: 18.28
Capacity	: 250 kg./hr.		
Emission Due to	: Combustion of H.S.D & Bio Medical Waste		
Fuel Used	: H.S.D	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 45 liter./hr.		
Pollution Control Device	: Multi Cyclone, Quencher, Venturi, Wet Scrubber (2 nos.), Cyclone Separator, Droplet Separator		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	56.0
2.	Barometric Pressure	mm of Hg.	--	756.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	9.36
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	3299.43
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	41.84
6.	Concentration of NO _x	mg/Nm ³	IS : 11255 (Part 7) 2005 & ASTM D 1608-98 reapproved 2009 : Sec. 11 (Vol. 11.07) : 2011	51.54
7.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	5.6
8.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	<1.0
9.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	56.05

Remarks :

Reviewed By :

DURBADI CHAKRABORTY

Dy. Quality Manager

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager

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 Overseas : UAE ■ Qatar ■ Netherlands



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		Period of Analysis	: 09.05.2022 - 10.05.2022		
		Date of Issue	: 12.05.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/35/May/A/I	Report No.	: ENV/35/May/TR(A)/1/22-23		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Incinerator		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 30.48
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.381
Capacity	: 250 kg./hr.	Height of sampling port (mtr.) (from G.L.)	: 18.28
Emission Due to	: Combustion of H.S.D & Bio Medical Waste		
Fuel Used	: H.S.D	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 45 liter./hr.		
Pollution Control Device	: Multi Cyclone, Quencher, Venturi, Wet Scrubber (2 nos.), Cyclone Separator, Droplet Separator		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of O ₂	% (v/v)	IS 13270 1992 RA 2003	10.8
2.	Concentration of Hcl	%(v/v)	WHO, Geneva - 1969	3.70

Remarks :

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Sample ID No.	: ENV/35/May/A/II	Report No.	: ENV/35/May/TR(A)/II/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: D. G. - 62.5 KVA (Acoustic Enclosure attached)
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: 62.5 KVA
Emission Due to	: Combustion of H.S.D
Fuel Used	: H.S.D
Working Fuel Consumption	: 05 liter./hr.
Pollution Control Device	: Nil

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	114.0
2.	Barometric Pressure	mm of Hg.	--	756.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	16.10
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	88.68
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	21.62
7.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	6.4
8.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	<1.0
9.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	33.45

Remarks :

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