



# 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	: Greenzen Bio Pvt. Ltd.	Type of Industry	: Bio-Medical Waste Treatment Plant
Address	: Mouza – Binnaguri, J. L. No. – 3, Site No. – 12, Fulbarihat, Bhaktinagar, Jalpaiguri, Pin - 734015	Sampling Date	: 03.05.2022
		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/39/May/A/I	Report No.	: ENV/39/May/TR(A)/I/22-23

### A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Incinerator
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: --
Emission Due to	: Combustion of H.S.D & Bio Medical Waste
Fuel Used	: H.S.D
Working Fuel Consumption	: 20 liter./hr.
Pollution Control Device	: Multi Cyclone, Quencher, Venturi, Wet Scrubber (2 nos.), Cyclone Droplet Separator

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 51.0
2.	Barometric Pressure	mm of Hg.	--	: 757.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 9.54
4.	Quantity of Gas flow	Nm <sup>3</sup> /hr.	IS : 11255 (Part III)	: 3564.31
5.	Concentration of SO <sub>2</sub> (at 11% O <sub>2</sub> )	mg/Nm <sup>3</sup>	IS 11255 (Part 2) 1985 RA 2003	: 21.88
6.	Concentration of NO <sub>x</sub> (at 11% O <sub>2</sub> )	mg/Nm <sup>3</sup>	IS : 11255 (Part 7) 2005 & ASTM D 1608-98 reapproved 2009 : Sec. 11 (Vol. 11.07) : 2011	: 46.13
7.	Concentration of CO <sub>2</sub>	% (v/v)	IS 13270 1992 RA 2003	: 6.4
8.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	: <1.0
9.	a) Concentration of Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 34.20
	b) Concentration of Particulate Matter (at 11% O <sub>2</sub> )			: 42.75

Remarks :

Reviewed By :

**DURBADAL CHAKRABORTY**  
Dy. Quality Manager

Approved By :

**Dr. AJOY PAUL**  
Quality Manager

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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/39/May/A/I	Report No.	: ENV/39/May/TR(A)/I/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	: --	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	: 20 liter./hr.		
Pollution Control Device	: Multi Cyclone, Quencher, Venturi, Wet Scrubber (2 nos.), Cyclone Droplet Separator		

### B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of O <sub>2</sub>	% (v/v)	IS 13270 1992 RA 2003	13.0
2.	Concentration of Hcl	mg/Nm <sup>3</sup>	WHO, Geneva - 1969	3.85

Remarks :

Reviewed By :

DURBADAL CHAKRABORTY  
Dy. Quality Manager

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