

Xenocode Technologies Pvt. Ltd.

Laboratory Information Management System

Flat No-402, Vishvanath Apartment, Jijamata Nagar, Dighori NAGPUR, MAHARASHTRA-440034

Phone: +91-8080607122 Email: vgaidhane5@gmail.com

STACK EMISSION MONITORING DATA RECORDING SHEET

1.	Sample ID:	SA/210	4/0021			2.	Instru	ıment ID:	1				
3.	Date & Time of Sai	mpling:2	5/04/21			•			•				
4.	Stack Identity:6												
5.	Stack attached to	:4											
6.	Stack height (m):	3											
7.	Stack diameter/D	uct Din	nensions	at samp	pling	point	(m):4	-					
8.	Height of port ho	le from	ground l	evel (n	n²):4								
9.	Are 8D and 2D C	'riteria r	net: Yes	/ No:T	rue								
10.	Material of Const	truction	:3										
11.	Stack shape at top	p:3											
12.	Fuel used: i) Type	e:3				ii) (Consu	mption:	3		kg/d o	or Ud	
13.	Stack Area (A) (r	n²):3											
14.	WhetherSampling	g port a	nd platfo	rm exis	sts? Y	es/N	lo:Tru	ie					
15.	Whether Air poll	ution co	ntrol equ	iipmen	t exis	ts? Ye	es /No	(Specif	y)True				
16.	Barometric Pressure (Ba): 5.000 mm Hg												
17.	Fuel Gas compos	ition:	CO ₂ %:2.	000	(O ₂ %:2	2.000		CO%	:2.000	N_2	%:2.00	0
18.	Moisture Content	t (M) =	4.00	00 %	ó		ii) Bv	wo: (M /	(100) =	4.0000			
19.	Duration (h) / day	y of run	of boiler	/ proce	ess:3.0	00							
20.	Ambient Temper	ature :	4.0	00			°C	+ 273 =	:	4.00	0	°K	-
21.	Stack Temperatur	re(Ts):		4.00			°C	+ 273 =	:	3.00		°К	
22	Velocity of Stack	Gas (V	'): 5.	00	I	Pitot 7	Tube f	actor (K):5.000	0			
	m/s				(C = K	x 0.2	295 =5.0	00				
	Details		1	2	3	3	4	5	6	7	8	9	10
,	raverse Point dista	ance											
	the port, cm	10 (AD)				_							
	oifferential Pressur H ₂ O	$e(\Delta P)$											
	c) Static Pressure (Ps)mmHg			5.000)()	<u> </u>	mmI	I ₂ O/13.6	i =	mr	nHg	<u>!</u>	ļ
d) A (PA	bsolute Stack Pre	ssure	PA (Ba	$a \pm Ps$	=	6	.0000			m	nmHg		
e) V	elocity V in m/s C√AP x Ts.°K		4										
	lue Gas Quantity (A x V x 3600X(2			0) X(1-	-Bwo)							5.0000

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Note =* Physical Details of Sack Provided by Customer

19. Sampling Rate for Isokinetic conditions:

a. Nozzle Consta	nt: Area of l	Nozzle(mz) X 60 X 1000 =	5.0000			
b. Sampling Flow (LPM) = Velocity constant x Ta/Ts : Pv	x Nozzle	3.0000					
c. Sampling duratMinutes	tion in	4.0000					
d. Vacuum PV	Initial	4.0000					
in mm Hg	Final	5.0000					
	Average	5.0000					
e. Sampling gas Temp(Tg) °K		Initial	5.0000	Final	4.0000	Average	5.0000
Thimble No:-5		•	•		•		-

20. Total gas passed:(Flow Rate) x Duration= 5.0000 Liters

OR

Dry Gas Meter Reading: Final 5.0000 Initial 5.0000 Diff. 55.0000 m3

21. Gaseous Sampling Data:

21. Guseous Sumpring Butter.												
	Flow Rate (LPM) (R)	Samplin g time in minutes (T)	Gas Temp (°K)(Tg)	Barometr ic Pressure mm Hg (Ba)	1 ' '		No. solution used		Preservatio n Done Parameter (If Any)			
					Initi al	Final	Total		Solu tion	Conc.	Vol. (ml)	
Carbon Dioxide (CO ₂)	5.000	4	5.000	4.000	5.00 00	4.000 0	5.000 0	1	4	5.00	4.00	5

Vs (in liters at STP) = $R \times T \times (Ba/760) \times (298/Tg) = y$

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22. Sampling Data for NOx

Vsc = (Tstd/Pstd)(Vf-Va) (Pf/Ta)	Tf - Pi/Ti)	
Where, Vs = 5 (Volume of flask & vdlve Va = 5 (Volume of absorbing sol Pf = 4 (Final absolute pressure of Pi = 4 (Initial absolute pressure of Pstd = 4 (Standard absolute pressure of Pstd = 4 (Final absolute temperatur Ti = 4 (Initial absolute temperatur Tstd = 4 (Standard absolute temperatur Vsc = Sample Volume at standar Vsc = () () = 3.6 = ml	ution,25 ml) f flask, mm Hg) of flask, mm Hg) sure, 760 mm Hg(29.9 re of flask, oK) re of flask, 0K) berature, 298.15 0K) d condition (dry basis	-
Preservation Done (If Any):		
Sample received in lab by:	Sign:	Date: 24/04/21
Probable date of report: 28/04/21		
Sampling done by: sandeeep p		Sign:
Name and Address of Customer:	MSEBMumbai Nagpur	Sample ID: SA/2104/0021

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