Ambient Air Quality monitoring report-I



PAPL

PADMAJA AEROBIOLOGICALS PVT. LTD.

Public Testing Laboratory
Recognised by Ministry of Environment Forest & Climate Change (MoEFCC):
Gazette Notification No. S.O.3744(E) Valid upto: 16.10.2024
ISO 9001: 2015, OHSAS 18001:2007 Certified
CIN: U73100MH1995PTC092502
NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2020.

AIR-F-002

TEST REPORT AMBIENT AIR QUALITY MONITORING

Report No.	PAPL/ A-5	7/06-20	Rep	ort Date	25/0	6/2020				
Work Order No.	66000104	5600010433 Dated 08/05/2020								
Name of Customer	M/s USV F	M/s USV Private Ltd.								
Address	Plot No.N3	Plot No.N35,Anand Nagar, Ambernath (East) - 421501								
MoEF Certificate No.	From 23 N	1ay 201	9	Valid L	p to	16/10/	2024		***************************************	
Type of sampling	AAQM		24 Hrs.	AAQM	24 H	Hrs.	AAQM		24 Hrs.	AAQN
	RDS		√			FDS		\vee		1
Instrument used	ID No.		AIR-I-02	8		ID No).	AIR-	-I-011	
	Calibration	Date	04/09/20	020		Calibi	ration Date	05/0	09/2020	
Date of Sampling	1	18/06	5/2020		Sam	ple Ref.	No. 245/	A-57/0	06-2020	-
Location of sampling		Near	Main Gate							
Sample Collected By		Padmaja Aerobiologicals Pvt. Ltd.								
POLLUTION PARAMET	ERS				of the state of th					
Parameter		Resu	ılt Lir	nit L	nit	Method				
Particulate Matter (PM _{2.5})		35	6	0 þģ	J/m³	Gravimetric method (CPCB guidelines 2012, NAAQS Volume –I				ume -I)
Particulate Matter (PM ₁₀)	73	10	00 µ0	m^3	IS 5182(Part-23):2006,Reaffirmed-2012				2012
Sulphur Dioxide (SO ₂)		20.	4 8		J/m^3	IS 5182(Part -02):2001,Reaffirmed-2012				-2012
Nitrogen Dioxide(NO ₂)		22.	1 8		J/m^3	IS 5182(Part-06):2006				
Ammonia(NH ₃)		<10	.0 40	00 þg	}/m³	Indophenol Blue method 4.1 (CPCB guidelines 2012,NAAOS Volume-I)			me-I)	
*Carbon monoxide (CO)		1.0	0	4 m	g/m^3	IS 518	IS 5182(Part-10):1999,Reaffirmed -200			-2009
*Benzene (C ₆ H ₆)		<0.0	05 0	5 μς	J/m^3	IS 518	IS 5182(Part-11):2006			
Ozone (O_3) <3:		<33	.0 10	00 µg	J/m ³	Chemi	Chemical Method (NAAQS Volume-I)			()
*Lead (Pb) 0.0		0.04	2 1	.0 µg	J/m^3	AAS M	AAS Method (NAAQS Volume-I)			***************************************
*Nickel (Ni) <1		<12	.0 2	0 ng	J/m ³	AAS M	AAS Method (NAAQS Volume-I)			
*Arsenic (As)		<1.	2 0	6 ng	g/m^3	AAS M	AAS Method (NAAQS Volume-I)			
*Benzo(a)pyrene (BaP)		<0.	2 0	1 no	$1/m^3$	IS 518	32(Part-12):2	2004		

Sampling conditions Rain	Rain	No	Construction site near by	No	
Sampling conditions	Wind	No	Vehicular Activity	No	

Abbreviations: BDL-Below Detectable Limit, N.D-Not Detected.

Remark:--

Note: This test report may not be produced in part or full, without the permission of this laboratory. This test report refers only to the sample submitted for the testing.

Analyzed by

Authorized Signatory

'NANDAN' Plot No - 36/3/4, Sec-24, Near Bank Of India, Turbhe, Navi Mumbai - 400 705.
Tel: 022-2783 2532 / 2783 2817 Telefax: 022-2783 2818 E-Mail: paplturbhe@yahoo.co.in Web: www.padmajalab.com

^{*} Not covered under NABL scope

Ambient Air Quality monitoring report-II



Public Testing Laboratory

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ISO 9001 : 2015, OHSAS 18001:2007 Certified CIN : U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2020.

AIR-F-002

TEST REPORT AMBIENT AIR QUALITY MONITORING

Report No.	PAPL/ A-5		Rep		Date							
Work Order No.	66000104	33 Date										
Name of Customer	M/s USV P	rivate L	.td.									
Address	Plot No. N	ot No. N35, Anand Nagar, Ambernath (East) - 421501										
MoEF Certificate No.	From 23 M						16/10/20					
Type of sampling	AAQM		24 Hrs.		AAQM	24 Hr	s.	AAC	M		24 Hrs.	AAQM
	RDS		√				FDS			√		
Instrument used	ID No.		AIR-I-02	8			ID No.			AIR-	I-011	
	Calibration	n Date	04/09/2	020)		Calibra	ition	Date	05/0	9/2020	
Date of Sampling		18/06	/2020			Sampl	e Ref. N	Vo.	246/A	-58/0	6-20	
Location of sampling		Near	ETP Area									
Sample Collected By		Padm	aja Aerob	iolo	gicals P	vt. Ltd.						
POLLUTION PARAMET	TERS											
Parameter		Resu	lt Lir	nit	U	nit	Method					
Particulate Matter (PM ₂	-)	31	31 60		μg/m³		Gravimetric method					
rattediate matter (FM ₂	.5 /	31			μg	/111	(CPCB guidelines 2012, NAAQS Volume -I)					
Particulate Matter (PM ₁₀)	68	10	00	μд	/m³	IS 5182(Part-23):2006,Reaffirmed-2012			2012		
Sulphur Dioxide (SO ₂)		18.7	7 8	0	μg	/m³	IS 5182(Part -02):2001,Reaffirmed-2012			-2012		
Nitrogen Dioxide(NO ₂)		21.4	1 8	0	μg	/m³	IS 5182(Part-06):2006					
Ammonia(NH ₃)		<10.	0 4	00	μg	/m³	Indophenol Blue method 4.1 (CPCB guidelines 2012,NAAQS Volume-I)			me-I)		
*Carbon monoxide (CO))	0.9	C	4	mg	/m ³	IS 5182(Part-10):1999,Reaffirmed -2009					
*Benzene (C ₆ H ₆) <0.0			5 0	5			IS 5182(Part-11):2006					
Ozone (O ₃) <33.			0 10	00		/m³	Chemical Method (NAAQS Volume-I)					
*Lead (Pb) 0.03			7 1	.0		/m³	AAS Method (NAAQS Volume-I)					
*Nickel (Ni) <12.			0 2	0	ng	/m³	AAS Method (NAAQS Volume-I)					
*Arsenic (As)		<1	2 0	16		/m³	AAS Me	thod	(NAAQ	S Volu	ıme-I)	
*Benzo(a)pyrene (BaP)		<0	2 0	1	na	/m³	IS 5182(Part-12):2004					

Sampling conditions	Rain	No	Construction site near by	No
Sampling conditions	Wind	No	Vehicular Activity	No

Abbreviations: BDL-Below Detectable Limit, N.D-Not Detected. * Not covered under NABL scope

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Authorized Signatory

'NANDAN' Plot No - 36/3/4, Sec-24, Near Bank Of India, Turbhe, Navi Mumbai - 400 705. Tel: 022-2783 2532 / 2783 2817 Telefax: 022-2783 2818 E-Mail: paplturbhe@yahoo.co.in Web: www.padmajalab.com

Stack monitoring report of Scrubber



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AIR-F-005

<u>CERTIF</u> <u>A</u> NALYSIS REP	ICATE OF AN				
Sample / Report Ref. No.	250/A-62/06-				
Report Date	25/06/2020				
Work Order No.	6600010433 Dated 08/05/2020				
Name of Industry Address:	M/s USV Private Ltd. Plot No.N35, Anand Nagar,				
	Ambernath (I	East) -421501			
Sample Collected by	PADMAJA AEROBIOLOGICALS PVT. LTD.				
Date of Sampling	17/06/2020 Time of Sampling: Daytime				
PARTI	CULARS OF S	STACK			
Stack Attached to	Scrubbr Sc-1	01			
Stack Diameter (Meter)	0.3				
Stack Height (Meter)	5.0 Top of Bu	ilding			
Stack Temperature (°C)	30				
Stack Velocity of Flue Gases (m/s)					
Stack Volume of Flue Gases (Nm ³ /hr)					
Type of Fuel					

POLLUTION PARAMETERS							
Parameter	Result	Limit	Unit	Method			
SO ₂ cone.	N.D.	N.S.	mg/Nm³	IS-11255 (Part 2) 1985 Reaffirmed 2009			
NOx conc.	N.D.	N.S.	mg/Nm³	IS 11255 (Part 7) 2005 Reaffirmed 2012			
Acid Mist Conc.	10	35	mg/Nm ³	Analar			
NH3 Cone.	N.D.	30	mg/Nm ³	IS-11255 (Part 6) 1999 Reaffirmed 2009			
Toluene Conc.	< 0.186	100	mg/Nm ³	G.C.			
Benzene Conc.	< 0.16	05	mg/Nm ³	G.C.			
Chlorine Conc	N.D.	15	mg/Nm ³	IS 5182 (Part-19) 1982 Reaffirmed 2009			
Acetonotrile Conc.	< 0.084	1000	mg/Nm ³	G.C.			
Dichloromethane Conc.	< 0.174	200	mg/Nm ³	G.C.			

Remark: --

Instrument used: - Polltech Make Model PEM-SMK 10B ID. No. AIR-I-019. Calibration Valid up to 12/02/2021.

Limit as per MPCB Consent. N.S.:- Not Specified

Addyst

For Padmaja Aerobiologicals Pvt. Ltd.

Stack monitoring report of Boiler



PADMAJA AEROBIOLOGICALS PVT. LTD.

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CIN: U73100MH1995PTC092502
NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2020.

AIR-F-005

CERTIFICATE OF ANALYSIS

ANALYSIS REPORT FOR STACK EMISSION

Sample / Report Ref. No.	247/A-59/06-20
Report Date	25/06/2020
Work Order No.	6600010433 Dated 08/05/2020
Name of Industry	M/s USV Private Ltd.
Address:	Plot No.N35, Anand Nagar,
	Ambernath (East) -421501.
Sample Collected by	PADMAJA AEROBIOLOGICALS PVT. LTD.
Date of Sampling	17/06/2020 Time of Sampling: Daytime

PARTICULARS OF STACK

Stack Attached to	Boiler
Stack Diameter (Meter)	0.4
Stack Height (Meter)	30.0
Stack Temperature (OC)	128
Stack Velocity of Flue Gases (m/s)	4.5
Stack Volume of Flue Gases (Nm³/hr)	1502
Type of Fuel	F.O.

POLLUTION PARAMETERS						
Parameter	Result	Limit	Unit	Method		
Total Particulate Matter (TPM)	98	150.0	mg/Nm³	EPA Method-17		
SO ₂ cone.	37.2	486	kg/day	IS-11255 (Part 2) 1985 Reaffirmed 2009		
NOx conc.	80	N.S.	mg/Nm³	IS 11255 (Part 7) 2005 Reaffirmed 2012		
Hydrocarbons (C ₁ to C ₄)	N.D.	N.S.	ppm	GC		

Instrument used: - Polltech Make Model PEM-SMK 10B ID. No. AR-I-019.

Calibration Valid up to 12/02/2021.

Limit as per MPCB Consent, N.S.:- Not Specified



For Padmaja Aerobiologicals Pvt. Ltd.

'NANDAN' Plot No - 36/3/4, Sec-24, Near Bank Of India, Turbhe, Navi Mumbai - 400 705. Tel: 022-2783 2532 / 2783 2817 Telefax: 022-2783 2818 E-Mail: paplturbhe@yahoo.co.in Web: www.padmajalab.com

Stack monitoring report of D.G. Set



PAPI

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AIR-F-005

CERTIFICATE OF ANALYSIS

ANALYSIS REPORT FOR STACK EMISSION

Sample / Report Ref. No.	248/A-60/06-20					
Report Date	25/06/2020					
Work Order No.	6600010433 Dated 08/05/2020					
Name of Industry	M/s USV Private Ltd.					
Address:	Plot No.N35, Anand Nagar,					
	Ambernath (East) -421501					
Sample Collected by	PADMAJA AEROBIOLOGICALS PVT. LTD.					
Date of Sampling	17/06/2020 Time of Sampling: Daytime					

PARTICULARS OF STACK

Stack Attached to	D.G.Set 625 kva
Stack Diameter (Meter)	0.28
Stack Height (Meter)	6.0
Stack Temperature (°C)	154
Stack Velocity of Flue Gases (m/s)	15.3
Stack Volume of Flue Gases (Nm ³ /hr)	2351
Type of Fuel	Diesel

POLLUTION PARAMETERS					
Parameter	Result	Limit	Unit	Method	
Total Particulate Matter (TPM)	. 61	150.0	mg/Nm ³	EPA Method-17	
SO ₂ conc.	1.45	69.12	kg/day	IS-11255 (Part 2) 1985 Reaffirmed 2009	
NOx conc.	21	N.S.	mg/Nm³	IS 11255 (Part 7) 2005 Reaffirmed 2012	
Hydrocarbons (C ₁ to C ₄)	N.D.	N.S.	ppm	GC	

Remark: --

Instrument used: - Polltech Make Model PEM-SMK 10B ID. No. AIR-I-019. Calibration Valid up to 12/02/2021.

Limit as per MPCB Consent. N.S.:- Not Specified

Adalyst

For Padmaja Aerobiologicals Pvt. Ltd.