



ENVIROCHECK

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Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007



TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Mahistikry Unit # 1)	Type of Industry	: Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 22.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample ID No.	: ENV/20/Aug./A/VI	Report No.	: ENV/20/Aug./TR(A)/VI/20-21

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Vaccum Shed (T.F.H. - 1 no.)
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: 4,00,000 K-Cal./hr.
Emission Due to	: Combustion of L.S.F Oil
Fuel Used	: L.S.F. Oil
Working Fuel Consumption	: 23 - 24 liter./hr.
Pollution Control Device	: Nil

B. RESULTS

Sl. No.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 138.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 10.74	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 9244.25	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 26.18	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 6.6	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol3 11.07) : 2011	: 31.78	150.0

Remarks : Result shows that concentration of Particulate Matter and CO value are within limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Mahistikry Unit # 1)	Type of Industry	: Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 22.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample ID No.	: ENV/20/Aug./A/IV	Report No.	: ENV/20/Aug./TR(A)/IV/20-21

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: NDU (Naphthalene Distillation Unit) (TP - 20)
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: 20,00,000 K-Cal./hr. (each)
Emission Due to	: Combustion of L.S.F Oil
Fuel Used	: L.S.F. Oil
Working Fuel Consumption	: 200 liter./hr.
Pollution Control Device	: Nil

B. RESULTS

Sl. No.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 181.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 9.58	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 12766.27	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 43.25	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 6.0	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol3 11.07) : 2011	: 36.84	150.0

Remarks : Result shows that concentration of Particulate Matter and CO value are within limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Mahistikry Unit # 1)	Type of Industry	: Chemical Plant
Address	: P.O. & P.S. – Haripal, Hooghly – 712323	Sampling Date	: 22.08.2020
		Period of Analysis	: 22.08.2020 – 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample ID No.	: ENV/20/Aug./A/V	Report No.	: ENV/20/Aug./TR(A)/V/20-21

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: TP – 10 (No.1 & 2) (attached) (2 nos. TFH & 1 No. Boiler)
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: Boiler – 600 kg./hr. TFH – 10,00,000 K-Cal/hr. (each)
Emission Due to	: Combustion of L.S.F Oil
Fuel Used	: L.S.F Oiler
Working Fuel Consumption	: Boiler – 40 liter./hr. T.F.H – 100 liter./hr. (each)
Pollution Control Device	: Nil

B. RESULTS

Sl. No.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 173.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 11.19	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 15176.55	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 26.27	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 6.6	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol3 11.07) : 2011	: 16.82	150.0

Remarks : Result shows that concentration of Particulate Matter and CO value are within limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
 : N.A. means Not Available.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Mahistikry Unit # 1)	Type of Industry	: Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 22.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample ID No.	: ENV/20/Aug./A/VII	Report No.	: ENV/20/Aug./TR(A)/VII/20-21

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: By Product (Naphthalene Plant) (T.F.H 4 nos. & Boiler 2 nos.) attached with common stack
Shape of Stack	: Circular
Materials of Construction	: M.S.
	: Boiler - 650 Kg./hr. (each) T.F.H - 10,00,000 K-Cal./hr. (each)
Capacity	: Height of sampling port (mtr.) (from G.L.) : 6.8
Emission Due to	: Combustion of L.S.F Oil
Fuel Used	: L.S.F. Oil
Working Fuel Consumption	: Boiler - 35 liter./hr. (each) & T.F.H - 121 liter./hr. (each)
Pollution Control Device	: Nil

B. RESULTS

Sl. No.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 217.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 11.72	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 14470.58	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 38.61	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 6.8	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol3 11.07) : 2011	: 41.78	150.0

Remarks : Result shows that concentration of Particulate Matter and CO value are within limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

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TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Carbon Black Division)	Type of Industry	: Coal Tar By Products & Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 19.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample ID No.	: ENV/20/Aug./A/III	Report No.	: ENV/20/Aug./TR(A)/III/20-21

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: CPP Boiler (2 nos.) attached to common stack
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: 12 MW & 8 MW
Emission Due to	: Combustion of Tail Gas
Fuel Used	: Tail Gas
Working Fuel Consumption	: 20,000 Nm ³ /hr.
Pollution Control Device	: Nil

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 165.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 12.59	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 216323.15	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 46.02	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
8.	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	: 32.48	50.0

Remarks : Result shows that concentration of Particulate Matter and CO value are within limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Carbon Black Division)	Type of Industry	: Coal Tar By Products & Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 19.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample ID No.	: ENV/20/Aug./A/1	Report No.	: ENV/20/Aug./TR(A)/1/20-21

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: CBD Drier (Line - I)	Height of Stack (mtr.) (from G. L.)	: 54.0
Shape of Stack	: Circular	Stack I.D. at sampling point (mtr.)	: 1.80
Materials of Construction	: M.S.	Height of sampling port (mtr.) (from G.L.)	: 14.4
Capacity	: 160 MT/Day		
Emission Due to	: Combustion of Tail Gas		
Fuel Used	: Tail Gas	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: 9750 Nm ³ /hr.		
Pollution Control Device	: Nil		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 183.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 11.40	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 67744.56	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 36.82	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 3.2	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
8.	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	: 26.75	150.0

Remarks : Result shows that concentration of Particulate Matter and CO value are within limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Carbon Black Division)	Type of Industry	: Coal Tar By Products & Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 19.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample ID No.	: ENV/20/Aug./A/II	Report No.	: ENV/20/Aug./TR(A)/II/20-21

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: CBD Drier (Line - II)
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: 160 MT/Day
Emission Due to	: Combustion of Tail Gas
Fuel Used	: Tail Gas
Working Fuel Consumption	: 9750 Nm ³ /hr.
Pollution Control Device	: Nil

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 179.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 11.35	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 68044.31	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 31.24	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 2.8	N.A.
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
8.	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	: 24.76	150.0

Remarks : Result shows that concentration of Particulate Matter and CO value are within limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Mahistikry Unit - 1)	Type of Industry	: Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 18.08.2020 - 19.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/20/Aug./A/XI	Report No.	: ENV/20/Aug./TR(A)/XI/20-21

A] GENERAL INFORMATION

1. Location of Sampling : Near Administrative Building
2. Duration of Sampling : 24 hrs. (10:00 a.m. - 10:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 84.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	49.22	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	86.18	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	7.75	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	24.93	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	0.18	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01	6.0
13.	Volatile Organic Carbon	µg/m ³	USEPA Method 18, 1996	2.50	N.A.

Remarks : Result shows that all parameters are within limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: N.A. means Not Available.
: Detection limit as per NABL Scope of Envirocheck for CO (<0.1), Pb (<0.01), BaP (<0.36), Benzene (<0.74), Ozone (<10.0), Ammonia (<4.18), Nickel (<0.02) and Arsenic (<0.01) are indicates that this parameters are Not Detected from Tested sample.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Mahistikry Unit - 1)	Type of Industry	: Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 18.08.2020 - 19.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/20/Aug./A/X	Report No.	: ENV/20/Aug./TR(A)/X/20-21

A] GENERAL INFORMATION

1. Location of Sampling : Near S.N.F Area
2. Duration of Sampling : 24 hrs. (10:30 a.m. - 10:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 84.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	50.83	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	91.16	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	11.31	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	31.76	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	0.28	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01	6.0
13.	Volatile Organic Carbon	µg/m ³	USEPA Method 18, 1996	2.80	N.A.

Remarks : Result shows that all parameters are within limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: N.A. means Not Available.
: Detection limit as per NABL Scope of Envirocheck for CO (<0.1), Pb (<0.01), BaP (<0.36), Benzene (<0.74), Ozone (<10.0), Ammonia (<4.18), Nickel (<0.02) and Arsenic (<0.01) are indicates that this parameters are Not Detected from Tested sample.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Mahistikry Unit - 1)	Type of Industry	: Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 18.08.2020 - 19.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/20/Aug./A/IX	Report No.	: ENV/20/Aug./TR(A)/IX/20-21

A] GENERAL INFORMATION

1. Location of Sampling : Near Molasses Area
2. Duration of Sampling : 24 hrs. (10:20 a.m. - 10:20 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 84.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	46.02	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	83.10	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	9.21	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	29.09	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.25	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01	6.0
13.	Volatile Organic Carbon	µg/m ³	USEPA Method 18, 1996	3.80	N.A.

Remarks : Result shows that all parameters are within limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: N.A. means Not Available.
: Detection limit as per NABL Scope of Envirocheck for CO (<0.1), Pb (<0.01), BaP (<0.36), Benzene (<0.74), Ozone (<10.0), Ammonia (<4.18), Nickel (<0.02) and Arsenic (<0.01) are indicates that this parameters are Not Detected from Tested sample.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Mahistikry Unit - 1)	Type of Industry	: Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 18.08.2020 - 19.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/20/Aug./A/VIII	Report No.	: ENV/20/Aug./TR(A)/VIII/20-21

A] GENERAL INFORMATION

1. Location of Sampling : Near Canteen
2. Duration of Sampling : 24 hrs. (10:30 a.m. - 10:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 84.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	39.20	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	78.52	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.70	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	25.95	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	0.23	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01	6.0
13.	Volatile Organic Carbon	µg/m ³	USEPA Method 18, 1996	2.80	N.A.

Remarks : Result shows that all parameters are within limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: N.A. means Not Available.
: Detection limit as per NABL Scope of Envirocheck for CO (<0.1), Pb (<0.01), BaP (<0.36), Benzene (<0.74), Ozone (<10.0), Ammonia (<4.18), Nickel (<0.02) and Arsenic (<0.01) are indicates that this parameters are Not Detected from Tested sample.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Mahistikry Unit - 1)	Type of Industry	: Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 17.08.2020 - 18.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/20/Aug./A/XV	Report No.	: ENV/20/Aug./TR(A)/XV/20-21

A] GENERAL INFORMATION

1. Location of Sampling : West Side of the Plant (Near Highway)
2. Duration of Sampling : 24 hrs. (10:00 a.m. - 10:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 30.0
2. Average Relative Humidity (%) : 86.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	52.96	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	91.82	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	7.33	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	26.82	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	10.30	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01	6.0

Remarks : Result shows that all parameters are within limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: N.A. means Not Available.
: Detection limit as per NABL Scope of Envirocheck for CO (<0.1), Pb (<0.01), BaP (<0.36), Benzene (<0.74), Ozone (<10.0), Ammonia (<4.18), Nickel (<0.02) and Arsenic (<0.01) are indicates that this parameters are Not Detected from Tested sample.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Mahistikry Unit - 1)	Type of Industry	: Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 17.08.2020 - 18.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/20/Aug./A/XIV	Report No.	: ENV/20/Aug./TR(A)/XIV/20-21

A] GENERAL INFORMATION

1. Location of Sampling : East Side of the Plant (Near Village Medical Store)
2. Duration of Sampling : 24 hrs. (10:10 a.m. - 10:10 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 30.0
2. Average Relative Humidity (%) : 86.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	46.60	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	81.46	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	5.23	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	20.0	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	0.14	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01	6.0

Remarks : Result shows that all parameters are within limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
 : N.A. means Not Available.
 : Detection limit as per NABL Scope of Envirocheck for CO (<0.1), Pb (<0.01), BaP (<0.36), Benzene (<0.74), Ozone (<10.0), Ammonia (<4.18), Nickel (<0.02) and Aseenic (<0.01) are indicates that this parameters are Not Detected from Tested sample.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Mahistikry Unit - 1)	Type of Industry	: Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 17.08.2020 - 18.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/20/Aug./A/XIII	Report No.	: ENV/20/Aug./TR(A)/XIII/20-21

A] GENERAL INFORMATION

1. Location of Sampling : South Side of the Plant (Near Village Road Side)
2. Duration of Sampling : 24 hrs. (10:20 a.m. - 10:20 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 30.0
2. Average Relative Humidity (%) : 86.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	49.28	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	83.15	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	7.12	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	26.74	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	0.14	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01	6.0

Remarks : Result shows that all parameters are within limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: N.A. means Not Available.
: Detection limit as per NABL Scope of Envirocheck for CO (<0.1), Pb (<0.01), BaP (<0.36), Benzene (<0.74), Ozone (<10.0), Ammonia (<4.18), Nickel (<0.02) and Arsenic (<0.01) are indicates that this parameters are Not Detected from Tested sample.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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 Overseas : UAE ■ Qatar ■ Netherlands



ENVIROCHECK

Recognised by MoEF&CC, WBPCB, JSPCB & OSPCB
Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007



TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Himadri Speciality Chemicals Ltd. (Mahistikry Unit - 1)	Type of Industry	: Chemical Plant
Address	: P.O. & P.S. - Haripal, Hooghly - 712323	Sampling Date	: 17.08.2020 - 18.08.2020
		Period of Analysis	: 22.08.2020 - 24.08.2020
		Date of Issue	: 26.08.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/20/Aug./A/XI	Report No.	: ENV/20/Aug./TR(A)/XI/20-21

A] GENERAL INFORMATION

1. Location of Sampling : North Side of the Plant (At Village)
2. Duration of Sampling : 24 hrs. (10:30 a.m. - 10:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 30.0
2. Average Relative Humidity (%) : 86.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	46.04	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	76.50	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	5.86	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	23.44	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	0.12	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01	6.0

Remarks : Result shows that all parameters are within limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: N.A. means Not Available.
: Detection limit as per NABL Scope of Envirocheck for CO (<0.1), Pb (<0.01), BaP (<0.36), Benzene (<0.74), Ozone (<10.0), Ammonia (<4.18), Nickel (<0.02) and Arsenic (<0.01) are indicates that this parameters are Not Detected from Tested sample.

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