



# 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/37

Name of the Industry	: Himadri Speciality Chemical Ltd. (Mahistikry)	Type of Industry	: Chemical Plant		
Address	: P.O. & P.S. – Haripal, Hooghly – 712323	Sampling Date	: 18.12.2020 – 19.12.2020		
		Period of Analysis	: 19.12.2020 – 21.12.2020		
		Date of Issue	: 23.12.2020		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample ID No.	: ENV/65/Dec./A/I	Report No.	: ENV/65/Dec./TR(A)/I/20-21		

### A] GENERAL INFORMATION

1. Location of Sampling : West Side of the Plant (Near Road Side Village)
2. Duration of Sampling : 24 hrs. (11:00 a.m. – 11:00 a.m.)

### B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 62.0
3. Smell or Odour : No Remarkable Smell
4. Weather Condition : Clear sky

### C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM <sub>2.5</sub>	µg/m <sup>3</sup>	USEPA 1997a, 40 CFR Part 50, Appendix L	56.73	60.0
2.	Concentration of PM <sub>10</sub>	µg/m <sup>3</sup>	IS 5182 (PART 23) : 2006	91.46	100.0
3.	Concentration of SO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	8.30	80.0
4.	Concentration of NO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	30.02	80.0
5.	Concentration of CO	mg/m <sup>3</sup>	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 <sup>3</sup>	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m <sup>3</sup>	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	NIOSH Manual of Analytical Method, 4 <sup>th</sup> Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m <sup>3</sup>	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m <sup>3</sup>	EPA IO 3.2, 1999, APHA 23 <sup>rd</sup> 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 18<sup>th</sup> November, 2009.  
: Detection limit as per NABL Scope of Envirocheck for 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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		Period of Analysis	: 19.12.2020 – 21.12.2020		
		Date of Issue	: 23.12.2020		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample ID No.	: ENV/65/Dec./A/II	Report No.	: ENV/65/Dec./TR(A)/II/20-21		

### A] GENERAL INFORMATION

1. Location of Sampling : South Side of Plant (Village Road Side)
2. Duration of Sampling : 24 hrs. (11:30 a.m. – 11:30 a.m.)

### B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 62.0
3. Smell or Odour : No Remarkable Smell
4. Weather Condition : Clear sky

### C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM <sub>2.5</sub>	µg/m <sup>3</sup>	USEPA 1997a, 40 CFR Part 50, Appendix L	51.37	60.0
2.	Concentration of PM <sub>10</sub>	µg/m <sup>3</sup>	IS 5182 (PART 23) : 2006	96.08	100.0
3.	Concentration of SO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	7.87	80.0
4.	Concentration of NO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	26.54	80.0
5.	Concentration of CO	mg/m <sup>3</sup>	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	0.20	2.0
6.	Concentration of Pb	µg/m <sup>3</sup>	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m <sup>3</sup>	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	NIOSH Manual of Analytical Method, 4 <sup>th</sup> Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m <sup>3</sup>	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m <sup>3</sup>	EPA IO 3.2, 1999, APHA 23 <sup>rd</sup> 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 18<sup>th</sup> November, 2009.  
: Detection limit as per NABL Scope of Envirocheck for 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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(Dy. Quality Manager)

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(Quality Manager)

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## TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Himadri Speciality Chemical Ltd. (Mahistikry)	Type of Industry	: Chemical Plant		
Address	: P.O. & P.S. – Haripal, Hooghly – 712323	Sampling Date	: 18.12.2020 – 19.12.2020		
		Period of Analysis	: 19.12.2020 – 21.12.2020		
		Date of Issue	: 23.12.2020		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample ID No.	: ENV/65/Dec./A/III	Report No.	: ENV/65/Dec./TR(A)/III/20-21		

### A] GENERAL INFORMATION

1. Location of Sampling : North Side of Plant (At Village)
2. Duration of Sampling : 24 hrs. (12:00 p.m. – 12:00 p.m.)

### B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 62.0
3. Smell or Odour : No Remarkable Smell
4. Weather Condition : Clear sky

### C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM <sub>2.5</sub>	µg/m <sup>3</sup>	USEPA 1997a, 40 CFR Part 50, Appendix L	49.62	60.0
2.	Concentration of PM <sub>10</sub>	µg/m <sup>3</sup>	IS 5182 (PART 23) : 2006	87.20	100.0
3.	Concentration of SO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.81	80.0
4.	Concentration of NO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	25.04	80.0
5.	Concentration of CO	mg/m <sup>3</sup>	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 <sup>3</sup>	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m <sup>3</sup>	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	NIOSH Manual of Analytical Method, 4 <sup>th</sup> Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m <sup>3</sup>	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m <sup>3</sup>	EPA IO 3.2, 1999, APHA 23 <sup>rd</sup> 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 18<sup>th</sup> November, 2009.  
: Detection limit as per NABL Scope of Envirocheck for 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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Sample ID No.	: ENV/65/Dec./A/IV	Report No.	: ENV/65/Dec./TR(A)/IV/20-21		

### A] GENERAL INFORMATION

1. Location of Sampling : East Side of Plant (At Village Medical Centre)
2. Duration of Sampling : 24 hrs. (11:00 a.m. – 11:00 a.m.)

### B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 62.0
3. Smell or Odour : No Remarkable Smell
4. Weather Condition : Clear sky

### C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM <sub>2.5</sub>	µg/m <sup>3</sup>	USEPA 1997a, 40 CFR Part 50, Appendix L	52.74	60.0
2.	Concentration of PM <sub>10</sub>	µg/m <sup>3</sup>	IS 5182 (PART 23) : 2006	81.48	100.0
3.	Concentration of SO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	7.87	80.0
4.	Concentration of NO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	28.44	80.0
5.	Concentration of CO	mg/m <sup>3</sup>	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	0.15	2.0
6.	Concentration of Pb	µg/m <sup>3</sup>	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m <sup>3</sup>	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	NIOSH Manual of Analytical Method, 4 <sup>th</sup> Edition 1994, Method 6015, issue 2	<4.18	400.0
11.	Nickel (Ni)	ng/m <sup>3</sup>	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m <sup>3</sup>	EPA IO 3.2, 1999, APHA 23 <sup>rd</sup> 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 18<sup>th</sup> November, 2009.  
: Detection limit as per NABL Scope of Envirocheck for 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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