



Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number : VEL/S/2203280001

Report No. : VEL/S/2203280001

Name & Address of the Party : M/s Maharani Innovative Paints Pvt. Ltd.
49th Km Stone, Khasra No. 122, Mathura Road, Village
- Prithla, Dist - Palwal, Haryana (Haryana)

Format No : 7.8 F-01
Party Reference No : By Mail
Reporting Date : 31/03/2022
Period of Analysis : 28/03/2022-31/03/2022
Receipt Date : 28/03/2022

Sample Description : Stack Emission Monitoring

General Information

Sampling Location : DG Set Area

Sample Collected By : VEL Representative (Mr. Sher Singh)

Date of Sampling : 26/03/2022

Sampling duration (Minutes) : 36.0

Stack attached to : DG Set No.1 (250 KVA)

Make of stack : MS

Diameter of stack(m) : 0.15 Mtr.

Height of stack(m) : 9.14 Mtr.

Instrument calibration status : Calibrated

Meteorological Condition : Clear Sky

Ambient Temperature - Ta (°C) : 37.0

Temperature of Stack Gases - Ts (°C) : 142.0

Velocity of Stack Gases (m/sec.) : 8.61

Flow rate of PM (LPM) : 18.0

Flow rate of Gas (LPM) : 2.0

Sampling condition : Isokinetic

Protocol used : IS 11255 & EPA

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter (as PM)	IS:11255 (P-1), Gravimetric Method, RA:2003	0.069	gm/kw-hr	<0.2
2	Oxide of Nitrogen (as NOX)	IS:11255 (P-7), Colorimetric Method, RA:2012	0.211	gm/kw-hr	<4.0**
3	Total Hydrocarbon (as HC)	SOP, SP-194, Issue No.01:2018	0.138	gm/kw-hr	**
4	Carbon Monoxide (as CO)	SOP,SP-74, Issue No.01:2018	0.168	gm/kw-hr	<3.5

**Standard Limit for (NOX+HC)

End of Report

(Checked By)
SUBHANSHEKHAWAT
Dy. Technical Manager

(Approved By)
Signature
Authorized Signatory





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Test Report

Sample Number : VEL/S/2203280002 Report No. : VEL/S/2203280002
 Name & Address of the Party : M/s Maharani Innovative Paints Pvt. Ltd. Format No : 7.8 F-01
 49th Km Stone, Khasra No. 122, Mathura Road, Village Party Reference No : By Mail
 - Prithia, Dist - Palwal, Haryana (Haryana) Reporting Date : 31/03/2022
 Period of Analysis : 28/03/2022-31/03/2022
 Receipt Date : 28/03/2022
 Sample Description : Stack Emission Monitoring

General Information

Sampling Location : DG Set Area
 Sample Collected By : VEL Representative (Mr. Sher Singh)
 Date of Sampling : 26/03/2022
 Sampling duration (Minutes) : 36.0
 Stack attached to : DG Set No.2 (250 KVA)
 Make of stack : MS
 Diameter of stack(m) : 0.15 Mtr.
 Height of stack(m) : 9.14 Mtr.
 Instrument calibration status : Calibrated
 Meteorological Condition : Clear Sky
 Ambient Temperature - Ta (°C) : 37.0
 Temperature of Stack Gases - Ts (°C) : 138.0
 Velocity of Stack Gases (m/sec.) : 8.56
 Flow rate of PM (LPM) : 17.0
 Flow rate of Gas (LPM) : 2.0
 Sampling condition : Isokinetic
 Protocol used : IS 11255 & EPA

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter (as PM)	IS:11255 (P-1), Gravimetric Method, RA:2003	0.075	gm/kw-hr	<0.2
2	Oxide of Nitrogen (as NOX)	IS:11255 (P-7), Colorimetric Method, RA:2012	0.232	gm/kw-hr	<4.0**
3	Total Hydrocarbon (as HC)	SOP, SP-194, Issue No.01:2018	0.154	gm/kw-hr	**
4	Carbon Monoxide (as CO)	SOP,SP-74, Issue No.01:2018	0.188	gm/kw-hr	<3.5

**Standard Limit for (NOX+HC)

End of Report

Checked By: **SUBHODH SHEKHAWAT**
 Dy. Technical Manager

Approved By: **Sher Singh**
 Authorized Signatory





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Test Report

Sample Number : VEL/S/2203280003 Report No. : VEL/S/2203280003
 Name & Address of the Party : M/s Maharani Innovative Paints Pvt. Ltd. Format No : 7.8 F-01
 49th Km Stone, Khasra No. 122, Mathura Road, Village Party Reference No : By Mail
 - Prithla, Dist - Palwal, Haryana (Haryana) Reporting Date : 31/03/2022
 Period of Analysis : 28/03/2022-31/03/2022
 Receipt Date : 28/03/2022
 Sample Description : Stack Emission Monitoring

General Information

Sampling Location : Boiler Near Security Room
 Sample Collected By : VEL Representative (Mr. Sher Singh)
 Date of Sampling : 26/03/2022
 Sampling duration (Minutes) : 40.0
 Stack attached to : Boiler
 Make of stack : MS
 Diameter of stack(m) : 0.45 Mtr.
 Height of stack(m) : 30.48 Mtr.
 Instrument calibration status : Calibrated
 Meteorological Condition : Clear Sky
 Ambient Temperature - Ta (°C) : 37.0
 Temperature of Stack Gases - Ts (°C) : 148.0
 Velocity of Stack Gases (m/sec.) : 6.84
 Flow rate of PM (LPM) : 22.0
 Flow rate of Gas (LPM) : 2.0
 Sampling condition : Isokinetic
 Protocol used : IS 11255 & EPA

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter (as PM)	IS:11255 (P-1), Gravimetric Method, RA:2003	31.95	mg/Nm3	150.0
2	Sulphur Dioxide (as SO ₂)	IS:11255 (P-2), Titrimetric Method, RA:2003	8.68	mg/Nm3	Not Specified
3	Oxide of Nitrogen (as NOX)	IS:11255 (P-7), Colorimetric Method, RA:2012	47.22	mg/Nm3	Not Specified
4	Carbon Monoxide (as CO)	SOP,SP-74, Issue No.01:2018	60.54	mg/Nm3	Not Specified

End of Report

SUBODH SHEKHAWAT
 (Checked By)
 Dy. Technical Manager





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Test Report

Sample Number : VEL/SI/2203280004 Report No. : VEL/SI/2203280004
 Name & Address of the Party : M/s Maharani Innovative Paints Pvt. Ltd. Format No : 7.8 F-01
 49th Km Stone, Khasra No. 122, Mathura Road, Village Party Reference No : By Mail
 - Prithla, Dist - Palwal, Haryana (Haryana) Reporting Date : 31/03/2022
 Period of Analysis : 28/03/2022-31/03/2022
 Receipt Date : 28/03/2022
 Sample Description : Stack Emission Monitoring

General Information

Sampling Location : Scrubber Area
 Sample Collected By : VEL Representative (Mr. Sher Singh)
 Date of Sampling : 26/03/2022
 Sampling duration (Minutes) : 38.0
 Stack attached to : Wet Scrubber
 Make of stack : MS
 Diameter of stack(m) : 0.35 Mtr.
 Height of stack(m) : 3.5 Mtr. from roof top
 Instrument calibration status : Calibrated
 Meteorological Condition : Clear Sky
 Ambient Temperature - Ta (°C) : 37.0
 Temperature of Stack Gases - Ts (°C) : 52.0
 Velocity of Stack Gases (m/sec.) : 6.48
 Flow rate of PM (LPM) : 26.0
 Flow rate of Gas (LPM) : 2.0
 Sampling condition : Isokinetic
 Protocol used : IS 11255 & EPA

S.No.	Test Parameters	Test Method	Results	Units	Limits as per CPCB
1	Particulate Matter (as PM)	IS:11255 (P-1), Gravimetric Method, RA:2003	10.48	mg/Nm3	150.0
2	Sulphur Dioxide (as SO ₂)	IS:11255 (P-2), Titrimetric Method, RA:2003	*ND	mg/Nm3	Not Specified
3	Oxide of Nitrogen (as NO _X)	IS:11255 (P-7), Colorimetric Method, RA:2012	*ND	mg/Nm3	Not Specified
4	Carbon Monoxide (as CO)	SOP,SP-74, Issue No.01:2018	*ND	mg/Nm3	Not Specified
5	Total Volatile Organic Compounds (VOCs)	SOP,SP-196, Issue No.01:2018	*ND	mg/Nm3	Not Specified
6	Total Hydrocarbon (as Methane)	SOP, SP-194, Issue No.01:2018	*ND	mg/Nm3	Not Specified
7	TOC	SOP,SP-192, Issue No.01:2018	*ND	mg/Nm3	Not Specified



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Test Report

Sample Number : VEL/S/2203280004

Report No. : VEL/S/2203280004

*ND-Not Detectable

End of Report

SUBODH SHEKHAWAT
(Checked By)
Dy. Technical Manager

VARDAN ENVIROLAB
(Approved By)
Authorised Signatory

