

AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/02/24/0564	Report No. AA/02/24/0564	Report Date	02/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Office Sugar Plant	Date - Sampling	24/02/2024 to 25/02/2024
Sample Quantity / Packing	PM ₁₀ : 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each CO: 1 x 1 no. bladder HC: 1 x 1 no. bladder	Date - Receipt of Sample	27/02/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	27/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Meteorological Data / Environmental Conditions

Average Wind Velocity 3 km/h	Wind Direction E-W	Relative Humidity (Max./Min.): 75/41%	Temperature (Max./Min.): 31/25°C	Duration of Survey 24 h
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Parameter	Result	NAAQS# 2009	Unit	Method
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Chemical Testing; Group: Atmospheric Pollution

Sulphur Dioxide (SO ₂)	BLQ (LOQ:4)	80	µg/m ³	IS 5182 (Part 2/Sec 1): 2023
Nitrogen Dioxide (NO ₂)	7.40	80	µg/m ³	IS 5182 (Part 6): 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	39	100	µg/m ³	IS 5182 (Part 23): 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	11	60	µg/m ³	CPCB Guideline, Volume I.36/2012-13, Page No.15:2013
Carbon Monoxide (CO)	1.36	4	mg/m ³	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA : Time Weighted Average

: NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, 1 hour TWA in case of Carbon Monoxide.

Note: Sample ID AA/02/24/0564 bears two Test Reports-AA/02/24/0564 and AA/02/24/0564N


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Note:

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4. There are no additions to, deviations or exclusions from the method.



AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/02/24/0565	Report No. AA/02/24/0565	Report Date	02/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Khed Village	Date - Sampling	24/02/2024 to 25/02/2024
Sample Quantity / Packing	PM ₁₀ : 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each CO: 1 x 1 no. bladder HC: 1 x 1 no. bladder	Date - Receipt of Sample	27/02/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	27/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Meteorological Data / Environmental Conditions

Average Wind Velocity 3 km/h	Wind Direction E-W	Relative Humidity (Max./Min.): 75/40%	Temperature (Max./Min.): 32/25°C	Duration of Survey 24 h
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Parameter	Result	NAAQS# 2009	Unit	Method
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Chemical Testing; Group: Atmospheric Pollution

Sulphur Dioxide (SO ₂)	BLQ (LOQ:4)	80	µg/m ³	IS 5182 (Part 2/Sec I): 2023
Nitrogen Dioxide (NO ₂)	7.33	80	µg/m ³	IS 5182 (Part 6): 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	63	100	µg/m ³	IS 5182 (Part 23): 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	17	60	µg/m ³	CPCB Guideline, Volume 1,36/2012-13, Page No.15:2013
Carbon Monoxide (CO)	1.15	4	mg/m ³	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA : Time Weighted Average

: NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, 1 hour TWA in case of Carbon Monoxide.

Note: Sample ID AA/02/24/0565 bears two Test Reports-AA/02/24/0565 and AA/02/24/0565N


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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/02/24/0566	Report No. AA/02/24/0566	Report Date	02/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Lohara Village	Date - Sampling	24/02/2024 to 25/02/2024
Sample Quantity / Packing	PM ₁₀ : 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each CO: 1 x 1 no. bladder HC: 1 x 1 no. bladder	Date - Receipt of Sample	27/02/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	27/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Meteorological Data / Environmental Conditions

Average Wind Velocity 3.2 km/h	Wind Direction E-W	Relative Humidity (Max./Min.): 75/40%	Temperature (Max./Min.): 32/25°C	Duration of Survey 24 h
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Parameter	Result	NAAQS# 2009	Unit	Method
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Chemical Testing; Group: Atmospheric Pollution

Sulphur Dioxide (SO ₂)	4.45	80	µg/m ³	IS 5182 (Part 2/Sec I): 2023
Nitrogen Dioxide (NO ₂)	7.78	80	µg/m ³	IS 5182 (Part 6): 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	52	100	µg/m ³	IS 5182 (Part 23): 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	14	60	µg/m ³	CPCB Guideline, Volume I, 36/2012-13, Page No.15:2013
Carbon Monoxide (CO)	1.48	4	mg/m ³	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013

TWA : Time Weighted Average

: NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, 1 hour TWA in case of Carbon Monoxide.

Note: Sample ID AA/02/24/0566 bears two Test Reports-AA/02/24/0566 and AA/02/24/0566N


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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/02/24/02	Report No. AA/02/24/02	Report Date	07/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Office Sugar Plant	Date - Sampling	30/01/2024 to 31/01/2024
Sample Quantity / Packing	PM ₁₀ : 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each CO, HC: 1 x 1 no. bladder each	Date - Receipt of Sample	01/02/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	01/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	06/02/2024

Meteorological Data / Environmental Conditions

Average Wind Velocity 3 km/h	Wind Direction E-W	Relative Humidity (Max./Min.): 75/40%	Temperature (Max./Min.): 30/25°C	Duration of Survey 24 h
Parameter	Result	NAAQS# 2009	Unit	Method

Chemical Testing; Group: Atmospheric Pollution

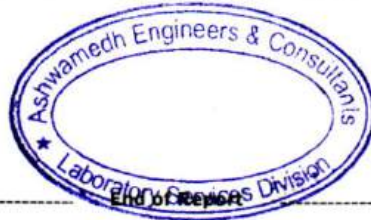
Sulphur Dioxide (SO ₂)	4.77	80	µg/m ³	IS 5182 (Part 2/Sec I): 2023
Nitrogen Dioxide (NO ₂)	10.7	80	µg/m ³	IS 5182 (Part 6): 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	47	100	µg/m ³	IS 5182 (Part 23): 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	13	60	µg/m ³	CPCB Guideline, Volume I.36/2012-13, Page No.15:2013
Carbon Monoxide (CO)	1.49	4	mg/m ³	CPCB Guidelines, Volume II. 37/2012-13, Page no.16: 2013

TWA : Time Weighted Average

: NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, 1 hour TWA in case of Carbon Monoxide.

Note: Sample ID AA/02/24/02 bears two Test Reports-AA/02/24/02 and AA/02/24/02N


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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/02/24/03	Report No. AA/02/24/03	Report Date	07/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Lohara Village	Date - Sampling	30/01/2024 to 31/01/2024
Sample Quantity / Packing	PM ₁₀ : 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each CO, HC: 1 x 1 no. bladder each	Date - Receipt of Sample	01/02/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	01/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	06/02/2024

Meteorological Data / Environmental Conditions

Average Wind Velocity 3 km/h	Wind Direction E-W	Relative Humidity (Max./Min.): 76/47%	Temperature (Max./Min.): 30/24°C	Duration of Survey 24 h
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Parameter	Result	NAAQS# 2009	Unit	Method
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Chemical Testing; Group: Atmospheric Pollution

Sulphur Dioxide (SO ₂)	4.88	80	µg/m ³	IS 5182 (Part 2/Sec I): 2023
Nitrogen Dioxide (NO ₂)	10.8	80	µg/m ³	IS 5182 (Part 6): 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	44	100	µg/m ³	IS 5182 (Part 23): 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	15	60	µg/m ³	CPCB Guideline, Volume I,36/2012-13, Page No.15:2013
Carbon Monoxide (CO)	1.50	4	mg/m ³	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013

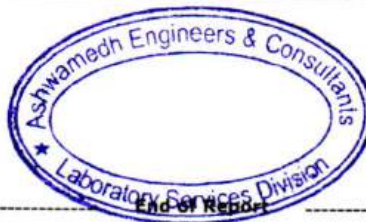
TWA : Time Weighted Average

: NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, 1 hour TWA in case of Carbon Monoxide.

Note: Sample ID AA/02/24/03 bears two Test Reports-AA/02/24/03 and AA/02/24/03N

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AMBIENT AIR QUALITY MONITORING REPORT


Sample ID : AA/02/24/04	Report No. AA/02/24/04	Report Date	07/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Khed Village	Date - Sampling	30/01/2024 to 31/01/2024
Sample Quantity / Packing	PM ₁₀ : 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each CO, HC: 1 x 1 no. bladder each	Date - Receipt of Sample	01/02/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	01/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	06/02/2024

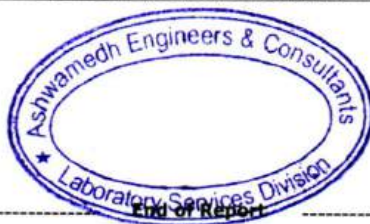
Meteorological Data / Environmental Conditions

Average Wind Velocity 3.2 km/h	Wind Direction E-W	Relative Humidity (Max./Min.): 75/41%	Temperature (Max./Min.): 32/25°C	Duration of Survey 24 h
Parameter	Result	NAAQS# 2009	Unit	Method

Parameter	Result	NAAQS# 2009	Unit	Method
Chemical Testing; Group: Atmospheric Pollution				
Sulphur Dioxide (SO ₂)	5.04	80	µg/m ³	IS 5182 (Part 2/Sec I): 2023
Nitrogen Dioxide (NO ₂)	12.0	80	µg/m ³	IS 5182 (Part 6): 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	43	100	µg/m ³	IS 5182 (Part 23): 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	12	60	µg/m ³	CPCB Guideline, Volume I.36/2012-13, Page No.15:2013
Carbon Monoxide (CO)	0.84	4	mg/m ³	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013

TWA : Time Weighted Average
: NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, 1 hour TWA in case of Carbon Monoxide.
Note: Sample ID AA/02/24/04 bears two Test Reports-AA/02/24/04 and AA/02/24/04N


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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/01/24/08	Report No. AA/01/24/08	Report Date	05/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Khed Village	Date - Sampling	30/12/2023 to 31/12/2023
Sample Quantity / Packing	PM ₁₀ : 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each CO: 1 x 1 no. bladder HC: 1 x 1 no. bladder	Date - Receipt of Sample	01/01/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	01/01/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	04/01/2024

Meteorological Data / Environmental Conditions

Average Wind Velocity 3.2 km/h	Wind Direction E-W	Relative Humidity (Max./Min.): 75/40%	Temperature (Max./Min.): 31/25°C	Duration of Survey 24 h
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Parameter	Result	NAAQS# 2009	Unit	Method
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Chemical Testing; Group: Atmospheric Pollution

Sulphur Dioxide (SO ₂)	4.61	80	µg/m ³	IS 5182 (Part 2): 2001
Nitrogen Dioxide (NO ₂)	13.8	80	µg/m ³	IS 5182 (Part 6): 2006
Particulate Matter (size less than 10 µm) or PM ₁₀	45	100	µg/m ³	IS 5182 (Part 23):2006
Particulate Matter (size less than 2.5µm) or PM _{2.5}	13	60	µg/m ³	CPCB Guideline, Volume I,36/2012-13, Page No.15:2013
Carbon Monoxide (CO)	1.16	4	mg/m ³	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013

TWA : Time Weighted Average

: NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, 1 hour TWA in case of Carbon Monoxide.

Note: Sample ID AA/01/24/08 bears two Test Reports-AA/01/24/08 and AA/01/24/08N

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/01/24/06	Report No. AA/01/24/06	Report Date	05/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Sugar Factory - Office	Date - Sampling	30/12/2023 to 31/12/2023
Sample Quantity / Packing	PM ₁₀ : 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each CO: 1 x 1 no. bladder HC: 1 x 1 no. bladder	Date - Receipt of Sample	01/01/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	01/01/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	04/01/2024

Meteorological Data / Environmental Conditions

Average Wind Velocity 3.2 km/h	Wind Direction E-W	Relative Humidity (Max./Min.): 75/40%	Temperature (Max./Min.): 31/25°C	Duration of Survey 24 h
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Parameter	Result	NAAQS# 2009	Unit	Method
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Chemical Testing; Group: Atmospheric Pollution

Sulphur Dioxide (SO ₂)	4.02	80	µg/m ³	IS 5182 (Part 2): 2001
Nitrogen Dioxide (NO ₂)	9.52	80	µg/m ³	IS 5182 (Part 6): 2006
Particulate Matter (size less than 10 µm) or PM ₁₀	42	100	µg/m ³	IS 5182 (Part 23): 2006
Particulate Matter (size less than 2.5µm) or PM _{2.5}	12	60	µg/m ³	CPCB Guideline. Volume I.36/2012-13. Page No.15:2013
Carbon Monoxide (CO)	1.06	4	mg/m ³	CPCB Guidelines. Volume II. 37/2012-13. Page no.16: 2013

TWA : Time Weighted Average

: NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, 1 hour TWA in case of Carbon Monoxide.

Note: Sample ID AA/01/24/06 bears two Test Reports-AA/01/24/06 and AA/01/24/06N


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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/01/24/07	Report No. AA/01/24/07	Report Date	05/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Lohara Village	Date - Sampling	30/12/2023 to 31/12/2023
Sample Quantity / Packing	PM ₁₀ : 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each CO: 1 x 1 no. bladder HC: 1 x 1 no. bladder	Date - Receipt of Sample	01/01/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	01/01/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	04/01/2024

Meteorological Data / Environmental Conditions

Average Wind Velocity 3.2 km/h	Wind Direction E-W	Relative Humidity (Max./Min.): 75/40%	Temperature (Max./Min.): 32/26°C	Duration of Survey 24 h
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Parameter	Result	NAAQS# 2009	Unit	Method
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Chemical Testing; Group: Atmospheric Pollution

Sulphur Dioxide (SO ₂)	4.45	80	µg/m ³	IS 5182 (Part 2): 2001
Nitrogen Dioxide (NO ₂)	10.4	80	µg/m ³	IS 5182 (Part 6): 2006
Particulate Matter (size less than 10 µm) or PM ₁₀	48	100	µg/m ³	IS 5182 (Part 23): 2006
Particulate Matter (size less than 2.5µm) or PM _{2.5}	14	60	µg/m ³	CPCB Guideline, Volume I, 36/2012-13, Page No 15: 2013
Carbon Monoxide (CO)	1.53	4	mg/m ³	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013

TWA : Time Weighted Average

: NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, 1 hour TWA in case of Carbon Monoxide.

Note: Sample ID AA/01/24/07 bears two Test Reports-AA/01/24/07 and AA/01/24/07N

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STACK EMISSION MONITORING REPORT

Sample ID : SA/02/24/0567	Report No. SA/02/24/0567	Report Date	02/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 no. thimble SO ₂ : 30 ml x 1 no. plastic bottle NO ₂ : 25 ml x 1 no. plastic bottle	Date - Sampling	25/02/2024
		Date - Receipt of Sample	27/02/2024
Sampling Procedure	IS 11255 (Part 1):2019, (Part 2):2019, (Part 3):2018, (Part 7):2017	Date - Start of Analysis	27/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Stack Details	
~ Stack Identity	D G Set I - 1010 KVA
~ Stack attached to	D G Set I - 1010 KVA
~ Material of construction	MS
~ Stack height above ground level	6.3 m
~ Stack diameter	0.30 m
~ Stack shape at top	Round
~ Type of Fuel	Diesel
~ Fuel Consumption	40 L/h

Parameter	Result	Limits as per MPCB Consent	Unit	Method
Chemical Testing; Group: Atmospheric Pollution				
Flue Gas Temperature	82	-	°C	IS 11255 (Part 3) : 2018
Flue Gas Velocity	7.5	-	m/s	IS 11255 (Part 3) : 2018
Flue Gas Flow Rate	1601	-	Nm ³ /h	IS 11255 (Part 3) : 2018
Particulate Matter (PM)	13	150	mg/Nm ³	IS 11255 (Part 1): 2019
Sulphur Dioxide (SO ₂)	BLQ (LOQ:5)	Not specified	mg/Nm ³	IS 11255 (Part 2): 2019
Sulphur Dioxide (SO ₂)	BLQ (LOQ:0.02)	Not specified	kg/d	IS 11255 (Part 2): 2019
Oxides of Nitrogen (NO ₂)	15.4	Not specified	mg/Nm ³	IS 11255 (Part 7): 2017

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

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STACK EMISSION MONITORING REPORT

Sample ID : SA/02/24/0568	Report No. SA/02/24/0568	Report Date	02/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 no. thimble SO ₂ : 30 ml x 1 no. plastic bottle NO ₂ : 25 ml x 1 no. plastic bottle	Date - Sampling	25/02/2024
		Date - Receipt of Sample	27/02/2024
Sampling Procedure	IS 11255 (Part 1):2019, (Part 2):2019, (Part 3):2018, (Part 7):2017	Date - Start of Analysis	27/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Stack Details	
~ Stack Identity	D G Set II - 1010 KVA
~ Stack attached to	D G Set II - 1010 KVA
~ Material of construction	MS
~ Stack height above ground level	6.3 m
~ Stack diameter	0.30 m
~ Stack shape at top	Round
~ Type of Fuel	Diesel
~ Fuel Consumption	40 L/h

Parameter	Result	Limits as per MPCB Consent	Unit	Method
Chemical Testing; Group: Atmospheric Pollution				
Flue Gas Temperature	80	-	°C	IS 11255 (Part 3) : 2018
Flue Gas Velocity	7	-	m/s	IS 11255 (Part 3) : 2018
Flue Gas Flow Rate	1486	-	Nm ³ /h	IS 11255 (Part 3) : 2018
Particulate Matter (PM)	12	150	mg/Nm ³	IS 11255 (Part 1) : 2019
Sulphur Dioxide (SO ₂)	8.42	Not specified	mg/Nm ³	IS 11255 (Part 2) : 2019
Sulphur Dioxide (SO ₂)	0.3	Not specified	kg/d	IS 11255 (Part 2) : 2019
Oxides of Nitrogen (NO ₂)	17.4	Not specified	mg/Nm ³	IS 11255 (Part 7) : 2017

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STACK EMISSION MONITORING REPORT

Sample ID : SA/02/24/0569	Report No. SA/02/24/0569	Report Date	02/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 no. thimble SO ₂ : 30 ml x 1 no. plastic bottle	Date - Sampling	25/02/2024
		Date - Receipt of Sample	27/02/2024
Sampling Procedure	IS 11255 (Part 1):2019, (Part 2):2019, (Part 3):2018	Date - Start of Analysis	27/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Stack Details	
~ Stack Identity	Boiler - 135 TPH
~ Stack attached to	Boiler - 135 TPH
~ Material of construction	RCC
~ Stack height above ground level	85 m
~ Stack diameter	3 m
~ Stack shape at top	Round
~ Type of Fuel	Bagasse
~ Fuel Consumption	32 T/h

Parameter	Result	Limits as per MPCB Consent	Unit	Method
Chemical Testing; Group: Atmospheric Pollution				
Flue Gas Temperature	115	-	°C	IS 11255 (Part 3) : 2018
Flue Gas Velocity	6.2	-	m/s	IS 11255 (Part 3) : 2018
Flue Gas Flow Rate	122953	-	Nm ³ /h	IS 11255 (Part 3) : 2018
Particulate Matter (PM)	12	150	mg/Nm ³	IS 11255 (Part 1) : 2019
Sulphur Dioxide (SO ₂)	BLQ (LOQ:5)	Not specified	mg/Nm ³	IS 11255 (Part 2) : 2019
Sulphur Dioxide (SO ₂)	BLQ (LOQ:0.02)	Not specified	kg/d	IS 11255 (Part 2) : 2019

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

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STACK EMISSION MONITORING REPORT

Sample ID : SA/02/24/05	Report No. SA/02/24/05	Report Date	07/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 no. thimble SO ₂ : 30 ml x 1 no. plastic bottle NO ₂ : 25 ml x 1 no. plastic bottle	Date - Sampling	30/01/2024
		Date - Receipt of Sample	01/02/2024
Sampling Procedure	IS 11255 (Part 1):2019, (Part 2):2019, (Part 3):2018, (Part 7):2017	Date - Start of Analysis	01/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	06/02/2024

Stack Details	
~ Stack Identity	D G Set I - 1010 KVA
~ Stack attached to	D G Set I - 1010 KVA
~ Material of construction	MS
~ Stack height above ground level	6.3 m
~ Stack diameter	0.30 m
~ Stack shape at top	Round
~ Type of Fuel	Diesel
~ Fuel Consumption	30 L/h

Parameter	Result	Limits as per MPCB Consent	Unit	Method
Chemical Testing; Group: Atmospheric Pollution				
Flue Gas Temperature	90	-	°C	IS 11255 (Part 3) : 2018
Flue Gas Velocity	6.9	-	m/s	IS 11255 (Part 3) : 2018
Flue Gas Flow Rate	1449	-	Nm ³ /h	IS 11255 (Part 3) : 2018
Particulate Matter (PM)	13	150	mg/Nm ³	IS 11255 (Part 1): 2019
Sulphur Dioxide (SO ₂)	7.02	Not specified	mg/Nm ³	IS 11255 (Part 2): 2019
Sulphur Dioxide (SO ₂)	0.24	Not specified	kg/d	IS 11255 (Part 2): 2019
Oxides of Nitrogen (NO ₂)	21.7	Not specified	mg/Nm ³	IS 11255 (Part 7): 2017


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STACK EMISSION MONITORING REPORT

Sample ID : SA/02/24/06	Report No. SA/02/24/06	Report Date	07/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 no. thimble SO ₂ : 30 ml x 1 no. plastic bottle NO ₂ : 25 ml x 1 no. plastic bottle	Date - Sampling	30/01/2024
Sampling Procedure	IS 11255 (Part 1):2019, (Part 2):2019, (Part 3):2018, (Part 7):2017	Date - Receipt of Sample	01/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Start of Analysis	01/02/2024
		Date - Completion of Analysis	06/02/2024

Stack Details	
~ Stack Identity	D G Set II - 1010 KVA
~ Stack attached to	D G Set II - 1010 KVA
~ Material of construction	MS
~ Stack height above ground level	6.3 m
~ Stack diameter	0.30 m
~ Stack shape at top	Round
~ Type of Fuel	Diesel
~ Fuel Consumption	30 L/h

Parameter	Result	Limits as per MPCB Consent	Unit	Method
Chemical Testing; Group: Atmospheric Pollution				
Flue Gas Temperature	90	-	°C	IS 11255 (Part 3) : 2018
Flue Gas Velocity	7.7	-	m/s	IS 11255 (Part 3) : 2018
Flue Gas Flow Rate	1611	-	Nm ³ /h	IS 11255 (Part 3) : 2018
Particulate Matter (PM)	13	150	mg/Nm ³	IS 11255 (Part 1): 2019
Sulphur Dioxide (SO ₂)	8.28	Not specified	mg/Nm ³	IS 11255 (Part 2): 2019
Sulphur Dioxide (SO ₂)	0.32	Not specified	kg/d	IS 11255 (Part 2): 2019
Oxides of Nitrogen (NO ₂)	20.3	Not specified	mg/Nm ³	IS 11255 (Part 7): 2017


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STACK EMISSION MONITORING REPORT

Sample ID : SA/02/24/07	Report No. SA/02/24/07	Report Date	07/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 no. thimble SO ₂ : 30 ml x 1 no. plastic bottle	Date - Sampling	30/01/2024
		Date - Receipt of Sample	01/02/2024
Sampling Procedure	IS 11255 (Part 1):2019, (Part 2):2019, (Part 3):2018	Date - Start of Analysis	01/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	06/02/2024

Stack Details				
~ Stack Identity	Boiler - 135 TPH			
~ Stack attached to	Boiler - 135 TPH			
~ Material of construction	RCC			
~ Stack height above ground level	85 m			
~ Stack diameter	3 m			
~ Stack shape at top	Round			
~ Type of Fuel	Bagasse			
~ Fuel Consumption	52 T/h			
Parameter	Result	Limits as per MPCB Consent	Unit	Method
Chemical Testing; Group: Atmospheric Pollution				
Flue Gas Temperature	115	-	°C	IS 11255 (Part 3) : 2018
Flue Gas Velocity	6.2	-	m/s	IS 11255 (Part 3) : 2018
Flue Gas Flow Rate	122953	-	Nm ³ /h	IS 11255 (Part 3) : 2018
Particulate Matter (PM)	14	150	mg/Nm ³	IS 11255 (Part 1) : 2019
Sulphur Dioxide (SO ₂)	5.71	Not specified	mg/Nm ³	IS 11255 (Part 2) : 2019
Sulphur Dioxide (SO ₂)	16.8	Not specified	kg/d	IS 11255 (Part 2) : 2019

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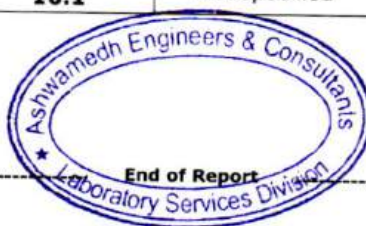
STACK EMISSION MONITORING REPORT

Sample ID : SA/01/24/09	Report No. SA/01/24/09	Report Date	05/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 no. thimble SO ₂ : 30 ml x 1 no. plastic bottle NO ₂ : 25 ml x 1 no. plastic bottle	Date - Sampling	30/12/2023
		Date - Receipt of Sample	01/01/2024
Sampling Procedure	IS 11255 (Part 1):1985, (Part 2):1985, (Part 3):2008, (Part 7):2005	Date - Start of Analysis	01/01/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	04/01/2024

Stack Details	
~ Stack Identity	D G Set I - 1010 KVA
~ Stack attached to	D G Set I - 1010 KVA
~ Material of construction	MS
~ Stack height above ground level	6.3 m
~ Stack diameter	0.30 m
~ Stack shape at top	Round
~ Type of Fuel	Diesel
~ Fuel Consumption	40 L/h

Parameter	Result	Limits as per MPCB Consent	Unit	Method
Chemical Testing; Group: Atmospheric Pollution				
Flue Gas Temperature	80	-	°C	IS 11255 (Part 3):2008
Flue Gas Velocity	6.44	-	m/s	IS 11255 (Part 3):2008
Flue Gas Flow Rate	1383	-	Nm ³ /h	IS 11255 (Part 3):2008
Particulate Matter (PM)	13	150	mg/Nm ³	IS 11255 (Part 1):1985
Sulphur Dioxide (SO ₂)	5.52	Not specified	mg/Nm ³	IS 11255 (Part 2):1985
Sulphur Dioxide (SO ₂)	0.18	Not specified	kg/d	IS 11255 (Part 2):1985
Oxides of Nitrogen (NO ₂)	16.1	Not specified	mg/Nm ³	IS 11255 (Part 7):2005


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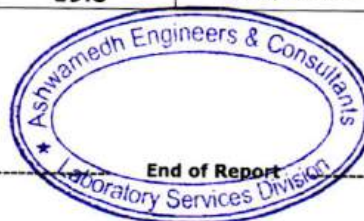
STACK EMISSION MONITORING REPORT

Sample ID : SA/01/24/010	Report No. SA/01/24/010	Report Date	05/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 no. thimble SO ₂ : 30 ml x 1 no. plastic bottle NO ₂ : 25 ml x 1 no. plastic bottle	Date - Sampling	30/12/2023
		Date - Receipt of Sample	01/01/2024
Sampling Procedure	IS 11255 (Part 1):1985, (Part 2):1985, (Part 3):2008, (Part 7):2005	Date - Start of Analysis	01/01/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	04/01/2024

Stack Details	
~ Stack Identity	D G Set II - 1010 KVA
~ Stack attached to	D G Set II - 1010 KVA
~ Material of construction	MS
~ Stack height above ground level	6.3 m
~ Stack diameter	0.30 m
~ Stack shape at top	Round
~ Type of Fuel	Diesel
~ Fuel Consumption	40 L/h

Parameter	Result	Limits as per MPCB Consent	Unit	Method
Chemical Testing; Group: Atmospheric Pollution				
Flue Gas Temperature	77	-	°C	IS 11255 (Part 3):2008
Flue Gas Velocity	6.2	-	m/s	IS 11255 (Part 3):2008
Flue Gas Flow Rate	1343	-	Nm ³ /h	IS 11255 (Part 3):2008
Particulate Matter (PM)	12	150	mg/Nm ³	IS 11255 (Part 1):1985
Sulphur Dioxide (SO ₂)	8.28	Not specified	mg/Nm ³	IS 11255 (Part 2):1985
Sulphur Dioxide (SO ₂)	0.27	Not specified	kg/d	IS 11255 (Part 2):1985
Oxides of Nitrogen (NO ₂)	19.8	Not specified	mg/Nm ³	IS 11255 (Part 7):2005


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STACK EMISSION MONITORING REPORT

Sample ID : SA/01/24/011	Report No. SA/01/24/011	Report Date	05/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 no. thimble SO ₂ : 30 ml x 1 no. plastic bottle	Date - Sampling	30/12/2023
		Date - Receipt of Sample	01/01/2024
Sampling Procedure	IS 11255 (Part 1):1985, (Part 2):1985, (Part 3):2008	Date - Start of Analysis	01/01/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	04/01/2024

Stack Details	
~ Stack Identity	Boiler - 135 TPH
~ Stack attached to	Boiler - 135 TPH
~ Material of construction	RCC
~ Stack height above ground level	85 m
~ Stack diameter	3 m
~ Stack shape at top	Round
~ Type of Fuel	Bagasse
~ Fuel Consumption	52 T/h

Parameter	Result	Limits as per MPCB Consent	Unit	Method
Chemical Testing; Group: Atmospheric Pollution				
Flue Gas Temperature	118	-	°C	IS 11255 (Part 3):2008
Flue Gas Velocity	8.8	-	m/s	IS 11255 (Part 3):2008
Flue Gas Flow Rate	170995	-	Nm ³ /h	IS 11255 (Part 3):2008
Particulate Matter (PM)	12	150	mg/Nm ³	IS 11255 (Part 1):1985
Sulphur Dioxide (SO ₂)	5.52	Not specified	mg/Nm ³	IS 11255 (Part 2):1985
Sulphur Dioxide (SO ₂)	22.7	Not specified	kg/d	IS 11255 (Part 2):1985


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TEST REPORT

Sample ID : E/02/24/0358	Report No. E/02/24/0358	Report Date	02/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Treated Trade Effluent
Sampling Location	ETP Outlet	Date - Sampling	26/02/2024
Sample Quantity / Packing	2 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of sample	27/02/2024
Sampling Procedure	APHA,24th Ed.,2023, 1060 B, 44	Date - Start of Analysis	27/02/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Sr.No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	pH (at 25°C)	7.66	-	IS 3025 (Part II): 2017
2	Total Suspended Solids	28	mg/L	IS 3025 (Part I7) Amds.I: 2017
3	Biochemical Oxygen Demand (3 days, 27°C)	10	mg/L	IS 3025 (Part 44): 1993
4	Chemical Oxygen Demand	40	mg/L	APHA,24th Ed.5220.B.544: 2023
5	Total Dissolved Solids	930	mg/L	IS 3025 (Part 16) : 2023
6	Oil & Grease	BLQ (LOQ:1)	mg/L	APHA,24th Ed.5520.B.572: 2023
7	Chloride (as Cl)	96	mg/L	IS 3025 (Part 32): 2017
8	Sulphate (as SO ₄)	108	mg/L	IS 3025 (Part 24)/Sec-I: 2022
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification				



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TEST REPORT

Sample ID : E/02/24/0357	Report No. E/02/24/0357	Report Date	02/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Untreated Trade Effluent
Sampling Location	ETP Inlet	Date - Sampling	26/02/2024
Sample Quantity / Packing	2 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of sample	27/02/2024
Sampling Procedure	APHA,24th Ed.,2023, 1060 B, 44	Date - Start of Analysis	27/02/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Sr.No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	pH (at 25°C)	3.34	-	IS 3025 (Part II): 2017
2	Total Suspended Solids	820	mg/L	IS 3025 (Part 17) Amds.I: 2017
3	Biochemical Oxygen Demand (3 days, 27°C)	1978	mg/L	IS 3025 (Part 44): 1993
4	Chemical Oxygen Demand	5600	mg/L	APHA,24th Ed.,5220.B.544: 2023
5	Total Dissolved Solids	1144	mg/L	IS 3025 (Part 16): 2023
6	Oil & Grease	BLQ (LOQ:1)	mg/L	APHA,24th Ed.,5520.B.572: 2023
7	Chloride (as Cl)	114	mg/L	IS 3025 (Part 32): 2017
8	Sulphate (as SO ₄)	103	mg/L	IS 3025 (Part 24)/Sec-I: 2022
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification				


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TEST REPORT

Sample ID : E/02/24/05	Report No. E/02/24/05	Report Date	09/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Untreated Trade Effluent
Sampling Location	ETP Inlet	Date -Sampling	31/01/2024
Sample Quantity / Packing	2 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of sample	01/02/2024
Sampling Procedure	APHA,24th Ed.,2023, 1060 B, 44	Date - Start of Analysis	01/02/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	09/02/2024

Sr.No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	pH (at 25°C)	3.33	-	IS 3025 (Part II): 2017
2	Total Suspended Solids	500	mg/L	IS 3025 (Part 17) Amds.I: 2017
3	Biochemical Oxygen Demand (3 days, 27°C)	2666	mg/L	IS 3025 (Part 44): 1993
4	Chemical Oxygen Demand	7000	mg/L	APHA,24th Ed.,5220.B.544: 2023
5	Total Dissolved Solids	1296	mg/L	IS 3025 (Part 16) : 2023
6	Oil & Grease	BLQ (LOQ:1)	mg/L	APHA,24th Ed.,5520.B.572: 2023
7	Chloride (as Cl)	15	mg/L	IS 3025 (Part 32): 2017
8	Sulphate (as SO ₄)	48.8	mg/L	IS 3025 (Part 24)/Sec-I: 2022

Note: BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

HS

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



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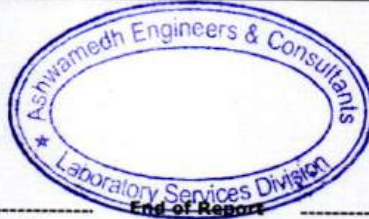
TEST REPORT

Sample ID : E/02/24/06	Report No. E/02/24/06	Report Date	09/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Treated Trade Effluent
Sampling Location	ETP Outlet	Date -Sampling	31/01/2024
Sample Quantity / Packing	2 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of sample	01/02/2024
Sampling Procedure	APHA,24th Ed.,2023, 1060 B, 44	Date - Start of Analysis	01/02/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	09/02/2024

Sr.No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	pH (at 25°C)	7.45	-	IS 3025 (Part II): 2017
2	Total Suspended Solids	32	mg/L	IS 3025 (Part 17) Amds.I: 2017
3	Biochemical Oxygen Demand (3 days, 27°C)	10	mg/L	IS 3025 (Part 44): 1993
4	Chemical Oxygen Demand	40	mg/L	APHA,24th Ed. 5220.B.544: 2023
5	Total Dissolved Solids	1150	mg/L	IS 3025 (Part 16): 2023
6	Oil & Grease	BLQ (LOQ:1)	mg/L	APHA,24th Ed. 5520.B.572: 2023
7	Chloride (as Cl)	66	mg/L	IS 3025 (Part 32): 2017
8	Sulphate (as SO ₄)	412	mg/L	IS 3025 (Part 24)/Sec-I: 2022

Note: BLQ: Below Limit of Quantification, LOQ: Limit of Quantification


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TEST REPORT

Sample ID : E/01/24/02	Report No. E/01/24/02	Report Date	05/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Treated Trade Effluent
Sampling Location	ETP Outlet	Date - Sampling	31/12/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of sample	01/01/2024
Sampling Procedure	IS 3025 (Part 1):1987 Amds.1& APHA,23rd Ed.2017,1060 B,1-40	Date - Start of Analysis	01/01/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	04/01/2024

Sr.No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	pH (at 25°C)	8.04	-	IS 3025 (Part II):1983
2	Total Suspended Solids	36	mg/L	IS 3025 (Part I):1984
3	Biochemical Oxygen Demand (3 days, 27°C)	35	mg/L	IS 3025 (Part 44):1983
4	Chemical Oxygen Demand	120	mg/L	APHA, 23rd Ed., 5220-B, 5-18
5	Total Dissolved Solids	952	mg/L	IS 3025 (Part 16):1984
6	Oil & Grease	BLQ (LOQ:1)	mg/L	APHA, 23rd Ed., 5520-B, 5-42
7	Chloride (as Cl)	86	mg/L	IS 3025 (Part 32):1988
8	Sulphate (as SO ₄)	80.4	mg/L	IS 3025 (Part 24)

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification


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Technical Manager (Chemical)
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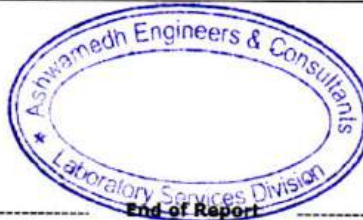
TEST REPORT

Sample ID : E/01/24/01	Report No. E/01/24/01	Report Date	05/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Untreated Trade Effluent
Sampling Location	ETP Inlet	Date -Sampling	31/12/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of sample	01/01/2024
Sampling Procedure	IS 3025 (Part 1):1987 Amds.1& APHA,23rd Ed.2017,1060 B,1-40	Date - Start of Analysis	01/01/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	04/01/2024

Sr.No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	pH (at 25°C)	2.98	-	IS 3025 (Part II):1983
2	Total Suspended Solids	320	mg/L	IS 3025 (Part 17):1984
3	Biochemical Oxygen Demand (3 days, 27°C)	4330	mg/L	IS 3025 (Part 44):1993
4	Chemical Oxygen Demand	10800	mg/L	APHA, 23rd Ed., 5220-B, 5-18
5	Total Dissolved Solids	1986	mg/L	IS 3025 (Part 16):1984
6	Oil & Grease	BLQ (LOQ:1)	mg/L	APHA, 23rd Ed., 5520-B, 5-42
7	Chloride (as Cl)	140	mg/L	IS 3025 (Part 32):1988
8	Sulphate (as SO ₄)	84	mg/L	IS 3025 (Part 24)

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification


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ULR-TC55092400003988F

TEST REPORT

Sample ID : W/02/24/0505	Report No. W/02/24/0505	Report Date	04/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Surface Water
Sampling Location	Makani Dam	Date - Sampling	26/02/2024
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile bottle	Date - Receipt of Sample	27/02/2024
Sampling Procedure	IS 1622:1981 & APHA 24 th Ed., 2023, 1060 B, 44, 9060 A, 1094 & 9060 B, 1097 & ISO 19458:2006	Date - Start of Analysis	27/02/2024
Order Reference	W.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Sr.No.	Parameter	Result	Unit	Method
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Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1	Colour	1	Hazen units	IS 3025 (Part 4), Method No.4: 2021
2	Odour	Agreeable	-	IS 3025 (Part 5):2018
3	pH value (at 25°C)	7.14	-	IS 3025 (Part II): 2022
4	Turbidity	BLQ (LOQ:0.2)	NTU	IS 3025 (Part 10) : 2023
5	Biochemical Oxygen Demand (3 days, 27°C)	6	mg/L	IS 3025 (Part 44): 1993
6	Chemical Oxygen Demand	21	mg/L	APHA, 24th Ed. 5220.8.544: 2023
7	Total Dissolved Solids	632	mg/L	IS 3025 (Part 16): 2023
8	Calcium (as Ca)	67.3	mg/L	IS 3025 (Part 40), Method No.5: 1991
9	Chloride (as Cl)	122	mg/L	IS 3025 (Part 32), Method No.2: 1988
10	Fluoride (as F)	1	mg/L	IS 3025 (Part 60) Method No.5: 2008
11	Free Residual Chlorine	BLQ (LOQ:0.05)	mg/L	APHA, 24th Ed. 4500-Cl.G.357: 2023
12	Iron (as Fe)	0.119	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
13	Magnesium (as Mg)	41.7	mg/L	IS 3025 (Part 46): 1994
14	Nitrate (as NO ₃)	16	mg/L	APHA, 24th Ed. 4500-NO3.B. 434: 2023
15	Sulphate (as SO ₄)	123	mg/L	IS 3025 (Part 24)/Sec-I: 2022
16	Total Alkalinity (as CaCO ₃)	230	mg/L	IS 3025(Part 23):1986
17	Total Hardness (as CaCO ₃)	340	mg/L	IS 3025 (Part 21) Method No.5: 1983
18	Total Phosphate (as P)	BLQ (LOQ:0.1)	mg/L	APHA, 24th Ed. 4500- P.E.486: 2023
19	Silica (as SiO ₂)	11.2	mg/L	IS 3025 (Part 35) Method No.4: 1988

Biological Testing; Group: Water


Bacteriological Parameters

20	Total Coliforms	Present	/100ml	APHA, 24th Ed., 9221-D, 1140: 2023
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BLQ: Below Limit of Quantification, LOQ: Limit of Quantification


Ulka Belan
Quality Manager
Reviewed & Authorised by




Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

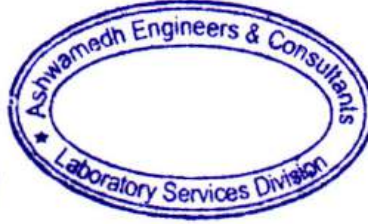


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Sample ID : W/02/24/0505	Report No. W/02/24/0505	Report Date	04/03/2024
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Belan

Ulka Belan
Quality Manager
Reviewed & Authorised by



Ninad

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

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ULR-TC550924000002478F

TEST REPORT

Sample ID : W/02/24/06	Report No. W/02/24/06	Report Date	06/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Surface Water
Sampling Location	Makhi Dam	Date - Sampling	31/01/2024
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile bottle	Date - Receipt of Sample	01/02/2024
Sampling Procedure	IS 1622:1981 & APHA 24 th Ed., 2023, 1060 B, 44, 9060 A, 1094 & 9060 B, 1097 & ISO 19458:2006	Date - Start of Analysis	01/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	05/02/2024

Sr.No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Water, Residues in Water				
Physical & Chemical Parameters				
1	Colour	1	Hazen units	IS 3025 (Part 4), Method No.4: 2021
2	Odour	Agreeable	-	IS 3025 (Part 5):2018
3	pH value (at 25°C)	7.84	-	IS 3025 (Part 11): 1983
4	Turbidity	0.28	NTU	IS 3025 (Part 10) : 2023
5	Biochemical Oxygen Demand (3 days, 27°C)	4	mg/L	IS 3025 (Part 44): 1993
6	Chemical Oxygen Demand	15	mg/L	APHA,24th Ed. 5220.B.544: 2023
7	Total Dissolved Solids	610	mg/L	IS 3025 (Part 16): 2023
8	Calcium (as Ca)	54.5	mg/L	IS 3025 (Part 40), Method No.5: 1991
9	Chloride (as Cl)	124	mg/L	IS 3025 (Part 32), Method No.2: 1988
10	Fluoride (as F)	1.0	mg/L	IS 3025 (Part 60) Method No.5: 2008
11	Free Residual Chlorine	BLQ (LOQ:0.05)	mg/L	APHA,24th Ed. 4500- Cl.G.357: 2023
12	Iron (as Fe)	0.122	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
13	Magnesium (as Mg)	32	mg/L	IS 3025 (Part 46): 1994
14	Nitrate (as NO ₃)	4.55	mg/L	APHA,24th Ed. 4500- NO3.B. 434: 2023
15	Sulphate (as SO ₄)	134	mg/L	IS 3025 (Part 24)/Sec-1: 2022
16	Total Alkalinity (as CaCO ₃)	205	mg/L	IS 3025(Part 23):1986
17	Total Hardness (as CaCO ₃)	268	mg/L	IS 3025 (Part 21) Method No.5: 1983
18	Total Phosphate (as P)	BLQ (LOQ:0.1)	mg/L	APHA,24th Ed. 4500- P.E.486: 2023
19	Silica (as SiO ₂)	7.2	mg/L	IS 3025 (Part 35) Method No.4: 1988
Biological Testing; Group: Water				
Bacteriological Parameters				
20	Total Coliforms	Present	/100 ml	APHA, 24th Ed., 9221-D, 1140: 2023

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Akshata
Akshata Pagare
Senior Analyst (Biological)
Reviewed & Authorised by



Ninad
Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

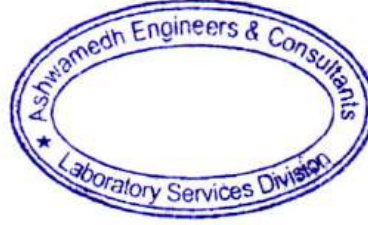


ULR-TC550924000002478F

Sample ID : W/02/24/06	Report No. W/02/24/06	Report Date	06/02/2024
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Akshata Pagare

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Senior Analyst (Biological)
Reviewed & Authorised by



Ninad Soundankar

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

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ULR-TC55092400000098F

TEST REPORT

Sample ID : W/01/24/011	Report No. W/01/24/011	Report Date	06/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Surface Water
Sampling Location	Makhi Dam	Date - Sampling	31/12/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile bottle	Date - Receipt of Sample	01/01/2024
Sampling Procedure	IS 1622:1981 & IS 3025(Part I):1987 & APHA 23rd Ed.2017, 1060 B,1-40, 9060 A,9-36 & 9060 B,9-39 & ISO 19458:2006	Date - Start of Analysis	01/01/2024
Order Reference	W.O. No. 23-24/1CO035 dated 02.12.2023	Date - Completion of Analysis	05/01/2024

Sr.No.	Parameter	Result	Unit	Method
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Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1	Colour	1	Hazen units	IS 3025 (Part 4):1983
2	Odour	Agreeable	-	IS 3025 (Part 5):2018
3	pH value (at 25°C)	8.73	-	IS 3025 (Part 11):1983
4	Turbidity	0.22	NTU	IS 3025 (Part 10):1984
5	Biochemical Oxygen Demand (3 days, 27°C)	3	mg/L	IS 3025 (Part 44): 1993
6	Chemical Oxygen Demand	12	mg/L	APHA, 23rd Ed., 5220-B, 5-18
7	Total Dissolved Solids	550	mg/L	IS 3025 (Part 16): 1984
8	Calcium (as Ca)	52.9	mg/L	IS 3025 (Part 40): 1991
9	Chloride (as Cl)	114	mg/L	IS 3025 (Part 32):1988
10	Fluoride (as F)	0.9	mg/L	IS 3025 (Part 60)
11	Free Residual Chlorine	BLQ (LOQ:0.05)	mg/L	APHA, 23rd Ed., 4500-Cl-G, 4-72
12	Iron (as Fe)	0.158	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
13	Magnesium (as Mg)	31	mg/L	IS 3025 (Part 46): 1994
14	Nitrate (as NO ₃)	3.62	mg/L	APHA, 23rd Ed., 4500-NO3 B-4-127
15	Sulphate (as SO ₄)	130	mg/L	IS 3025 (Part 24)
16	Total Alkalinity (as CaCO ₃)	145	mg/L	IS 3025(Part 23):1986
17	Total Hardness (as CaCO ₃)	260	mg/L	IS 3025 (Part 21): 1983
18	Total Phosphate (as P)	BLQ (LOQ:0.1)	mg/L	APHA, 23rd Ed., 4500 P.E. 4-164
19	Silica (as SiO ₂)	14	mg/L	IS 3025 (Part 35): 1988

Biological Testing; Group: Water


Bacteriological Parameters

20	Total Coliforms	Present	/100ml	APHA, 23rd Ed., 9221-D, 9-75 P-A Coliform test: 2017
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BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.


Sonali Kapse
Section In-charge (Biological)
Reviewed & Authorised by




Saarvi Dalal
Section In-charge (Chemical)
Reviewed & Authorised by



ULR-TC55092400000098F

Sample ID : W/01/24/011	Report No. W/01/24/011	Report Date	06/01/2024
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Sonali Kapse
Section In-Charge (Biological)
Reviewed & Authorised by




Saanvi Dalal
Section In-charge (Chemical)
Reviewed & Authorised by

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ULR-TC55092400003986F

TEST REPORT

Sample ID : W/02/24/0503	Report No. W/02/24/0503	Report Date	04/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Khed Village - Well	Date - Sampling	26/02/2024
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile bottle	Date - Receipt of Sample	27/02/2024
Sampling Procedure	IS 1622:1981 & APHA 24 th Ed., 2023, 1060 B, 44, 9060 A,1094 & 9060 B,1097 & ISO 19458:2006	Date - Start of Analysis	27/02/2024
Order Reference	W.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Sr.No.	Parameter	Result	Acceptable Limit as per IS 10500:2012	Unit	Method
Chemical Testing; Group: Water, Residues in Water					
Physical & Chemical Parameters					
1	Colour	1	Max. 5	Hazen units	IS 3025 (Part 4), Method No.4: 2021
2	Odour	Agreeable	Agreeable	-	IS 3025 (Part 5): 2018
3	pH value (at 25°C)	7.34	6.5-8.5	-	IS 3025 (Part 11) : 2022
4	Turbidity	BLQ (LOQ:0.2)	Max. 1	NTU	IS 3025 (Part 10) : 2023
5	Total Dissolved Solids	492	Max.500	mg/L	IS 3025 (Part 16): 2023
6	Calcium (as Ca)	59.3	Max. 75	mg/L	IS 3025 (Part 40), Method No.5: 1991
7	Chloride (as Cl)	68	Max. 250	mg/L	IS 3025 (Part 32),Method No.2: 1988
8	Fluoride (as F)	0.8	Max.1.0	mg/L	IS 3025 (Part 60) Method No.5: 2008
9	Free Residual Chlorine	BLQ (LOQ:0.05)	Min. 0.2	mg/L	APHA,24th Ed.,4500- Cl,6.357: 2023
10	Iron (as Fe)	0.131	Max.1.0	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
11	Magnesium (as Mg)	38.8	Max. 30	mg/L	IS 3025 (Part 46): 1994
12	Nitrate (as NO ₃)	4.2	Max.45	mg/L	APHA,24th Ed.,4500- NO3.B, 434: 2023
13	Sulphate (as SO ₄)	48	Max. 200	mg/L	IS 3025 (Part 24)/Sec-1: 2022
14	Total Hardness (as CaCO ₃)	308	Max. 200	mg/L	IS 3025 (Part 21) Method No.5: 1983
15	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	mg/L	APHA,24th Ed.,4500- P.E.486: 2023
16	Silica (as SiO ₂)	5.8	Not specified	mg/L	IS 3025 (Part 35) Method No.4: 1988
Biological Testing; Group: Water					
Bacteriological Parameters					
17	Total Coliforms	Present	Not specified	/100ml	APHA, 24th Ed., 9221-D, 1140: 2023

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification

Selva
Ulka Belan
Quality Manager
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Ninad
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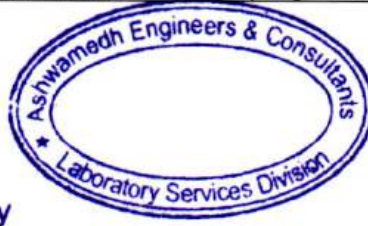


ULR-TC550924000003986F

Sample ID : W/02/24/0503	Report No. W/02/24/0503	Report Date	04/03/2024
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Ulka Belan
Quality Manager
Reviewed & Authorised by





Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

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ULR-TC55092400003987F

TEST REPORT

Sample ID : W/02/24/0504	Report No. W/02/24/0504	Report Date	04/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Lohara Village - Borewell	Date - Sampling	26/02/2024
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile bottle	Date - Receipt of Sample	27/02/2024
Sampling Procedure	IS 1622:1981 & APHA 24th Ed., 2023, 1060 B, 44, 9060 A,1094 & 9060 B,1097 & ISO 19458:2006	Date - Start of Analysis	27/02/2024
Order Reference	W.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Sr.No.	Parameter	Result	Acceptable Limit as per IS 10500:2012	Unit	Method
Chemical Testing; Group: Water, Residues in Water					
Physical & Chemical Parameters					
1	Colour	1	Max. 5	Hazen units	IS 3025 (Part 4), Method No.4: 2021
2	Odour	Agreeable	Agreeable	-	IS 3025 (Part 5):2018
3	pH value (at 25°C)	7.01	6.5-8.5	-	IS 3025 (Part II) : 2022
4	Turbidity	BLQ (LOQ:0.2)	Max. 1	NTU	IS 3025 (Part 10) : 2023
5	Total Dissolved Solids	1172	Max.500	mg/L	IS 3025 (Part 16): 2023
6	Calcium (as Ca)	160	Max. 75	mg/L	IS 3025 (Part 40), Method No.5: 1991
7	Chloride (as Cl)	329	Max. 250	mg/L	IS 3025 (Part 32),Method No.2: 1988
8	Fluoride (as F)	1.2	Max.1.0	mg/L	IS 3025 (Part 60) Method No.5: 2008
9	Free Residual Chlorine	BLQ (LOQ:0.05)	Min. 0.2	mg/L	APHA,24th Ed.,4500- Cl.G.357: 2023
10	Iron (as Fe)	0.079	Max.1.0	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
11	Magnesium (as Mg)	97.2	Max. 30	mg/L	IS 3025 (Part 46): 1994
12	Nitrate (as NO ₃)	15	Max.45	mg/L	APHA,24th Ed.,4500- NO3.B. 434: 2023
13	Sulphate (as SO ₄)	324	Max. 200	mg/L	IS 3025 (Part 24)/Sec-I: 2022
14	Total Hardness (as CaCO ₃)	800	Max. 200	mg/L	IS 3025 (Part 21) Method No.5: 1983
15	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	mg/L	APHA,24th Ed.,4500- P.E.486: 2023
16	Silica (as SiO ₂)	8.2	Not specified	mg/L	IS 3025 (Part 35) Method No.4: 1988
Biological Testing; Group: Water					
Bacteriological Parameters					
17	Total Coliforms	Present	Not specified	/100ml	APHA, 24th Ed., 9221-D, 1140: 2023

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification

Ulka Belan
Quality Manager
Reviewed & Authorised by



Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



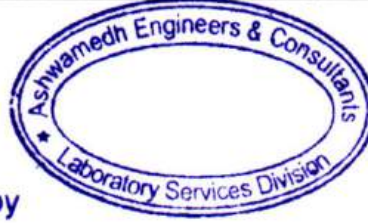


ULR-TC550924000003987F

Sample ID : W/02/24/0504	Report No. W/02/24/0504	Report Date	04/03/2024
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Selan

Ulka Belan
Quality Manager
Reviewed & Authorised by



Ninad

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

Note:

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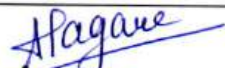
ULR-TC550924000002476F

TEST REPORT

Sample ID : W/02/24/04	Report No. W/02/24/04	Report Date	06/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell - Khed Village	Date - Sampling	31/01/2024
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile bottle	Date - Receipt of Sample	01/02/2024
Sampling Procedure	IS 1622:1981 & APHA 24 th Ed., 2023, 1060 B, 44, 9060 A,1094 & 9060 B,1097 & ISO 19458:2006	Date - Start of Analysis	01/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	06/02/2024

Sr.No.	Parameter	Result	Acceptable Limit as per IS 10500:2012	Unit	Method
Chemical Testing; Group: Water, Residues in Water					
Physical & Chemical Parameters					
1	Colour	1	Max.5	Hazen units	IS 3025 (Part 4), Method No.4: 2021
2	Odour	Agreeable	Agreeable	-	IS 3025 (Part 5):2018
3	pH value (at 25°C)	7	6.5-8.5	-	IS 3025 (Part 11): 1983
4	Turbidity	0.23	Max.1	NTU	IS 3025 (Part 10) : 2023
5	Total Dissolved Solids	738	Max.500	mg/L	IS 3025 (Part 16): 2023
6	Calcium (as Ca)	57.7	Max. 75	mg/L	IS 3025 (Part 40), Method No.5: 1991
7	Chloride (as Cl)	152	Max.250	mg/L	IS 3025 (Part 32), Method No.2: 1988
8	Fluoride (as F)	1.1	Max.1.0	mg/L	IS 3025 (Part 60) Method No.5: 2008
9	Free Residual Chlorine	BLQ (LOQ:0.05)	Min. 0.2	mg/L	APHA,24th Ed. 4500- Cl.6.357: 2023
10	Iron (as Fe)	0.246	Max.1	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
11	Magnesium (as Mg)	36	Max. 30	mg/L	IS 3025 (Part 46): 1994
12	Nitrate (as NO ₃)	3.03	Max.45	mg/L	APHA,24th Ed. 4500- NO3.B. 434: 2023
13	Sulphate (as SO ₄)	252	Max.200	mg/L	IS 3025 (Part 24)/Sec-1: 2022
14	Total Alkalinity (as CaCO ₃)	120	Max.200	mg/L	IS 3025(Part 23):1986
15	Total Hardness (as CaCO ₃)	292	Max.200	mg/L	IS 3025 (Part 21) Method No.5: 1983
16	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	mg/L	APHA,24th Ed. 4500- P.E.486: 2023
17	Silica (as SiO ₂)	8	Not specified	mg/L	IS 3025 (Part 35) Method No.4: 1988
Biological Testing; Group: Water					
Bacteriological Parameters					
18	Total Coliforms	Absent	Not specified	/100 ml	APHA, 24th Ed. 9221-D, 1140: 2023

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.


Akshata Pagare
Senior Analyst (Biological)
Reviewed & Authorised by




Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



ULR-TC550924000002476F

Sample ID : W/02/24/04	Report No. W/02/24/04	Report Date	06/02/2024
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A. Pagare

Akshata Pagare
Senior Analyst (Biological)
Reviewed & Authorised by



N. Soundankar

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

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ULR-TC550924000002477F

TEST REPORT

Sample ID : W/02/24/05	Report No. W/02/24/05	Report Date	06/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell - Lohara Village	Date - Sampling	31/01/2024
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile bottle	Date - Receipt of Sample	01/02/2024
Sampling Procedure	IS 1622:1981 & APHA 24 th Ed., 2023, 1060 B, 44, 9060 A,1094 & 9060 B,1097 & ISO 19458:2006	Date - Start of Analysis	01/02/2024
Order Reference	J.O. No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	05/02/2024

Sr.No.	Parameter	Result	Acceptable Limit as per IS 10500:2012	Unit	Method
Chemical Testing; Group: Water, Residues in Water					
Physical & Chemical Parameters					
1	Colour	1	Max.5	Hazen units	IS 3025 (Part 4), Method No.4: 2021
2	Odour	Agreeable	Agreeable	-	IS 3025 (Part 5):2018
3	pH value (at 25°C)	7.31	6.5-8.5	-	IS 3025 (Part 11): 1983
4	Turbidity	BLQ (LOQ:0.2)	Max.1	NTU	IS 3025 (Part 10) : 2023
5	Total Dissolved Solids	1164	Max.500	mg/L	IS 3025 (Part 16): 2023
6	Calcium (as Ca)	84.2	Max. 75	mg/L	IS 3025 (Part 40), Method No.5: 1991
7	Chloride (as Cl)	300	Max.250	mg/L	IS 3025 (Part 32), Method No.2: 1988
8	Fluoride (as F)	1.8	Max.1.0	mg/L	IS 3025 (Part 60) Method No.5: 2008
9	Free Residual Chlorine	BLQ (LOQ:0.05)	Min. 0.2	mg/L	APHA 24th Ed.4500- Cl.G.357: 2023
10	Iron (as Fe)	1.97	Max. 1	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
11	Magnesium (as Mg)	53.5	Max. 30	mg/L	IS 3025 (Part 46): 1994
12	Nitrate (as NO ₃)	4.16	Max.45	mg/L	APHA 24th Ed.4500- NO3.B. 434: 2023
13	Sulphate (as SO ₄)	34.3	Max.200	mg/L	IS 3025 (Part 24)/Sec-I: 2022
14	Total Alkalinity (as CaCO ₃)	175	Max.200	mg/L	IS 3025(Part 23):1986
15	Total Hardness (as CaCO ₃)	430	Max.200	mg/L	IS 3025 (Part 21) Method No.5: 1983
16	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	mg/L	APHA 24th Ed.4500- P.E.486: 2023
17	Silica (as SiO ₂)	13	Not specified	mg/L	IS 3025 (Part 35) Method No.4: 1988
Biological Testing; Group: Water					
Bacteriological Parameters					
18	Total Coliforms	Absent	Not specified	/100 ml	APHA 24th Ed. 9221-D. 1140: 2023

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

A. Pagare
Akshata Pagare
Senior Analyst (Biological)
Reviewed & Authorised by

N. Soundankar
Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



End of Report

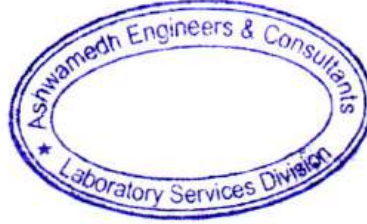


ULR-TC550924000002477F

Sample ID : W/02/24/05	Report No. W/02/24/05	Report Date	06/02/2024
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Apagare

Akshata Pagare
Senior Analyst (Biological)
Reviewed & Authorised by



Ninad

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

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ULR-TC55092400000099F

TEST REPORT


Sample ID : W/01/24/012	Report No. W/01/24/012	Report Date	06/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Khed Village - Borewell	Date - Sampling	31/12/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile bottle	Date - Receipt of Sample	01/01/2024
Sampling Procedure	IS 1622:1981 & IS 3025(Part I):1987 & APHA 23rd Ed.2017, 1060 B,1-40, 9060 A,9-36 & 9060 B,9-39 & ISO 19458:2006	Date - Start of Analysis	01/01/2024
Order Reference	W.O. No. 23-24/1CO035 dated 02.12.2023	Date - Completion of Analysis	05/01/2024

Sr.No.	Parameter	Result	Acceptable Limit as per IS 10500:2012	Unit	Method
Chemical Testing; Group: Water, Residues in Water					
Physical & Chemical Parameters					
1	Colour	1	Max. 5	Hazen units	IS 3025 (Part 4):1983
2	Odour	Agreeable	Agreeable	-	IS 3025 (Part 5):2018
3	pH value (at 25°C)	7.67	6.5-8.5	-	IS 3025 (Part II):1983
4	Turbidity	0.22	Max. 1	NTU	IS 3025 (Part 10):1984
5	Total Dissolved Solids	564	Max.500	mg/L	IS 3025 (Part 16):1984
6	Calcium (as Ca)	60.9	Max. 75	mg/L	IS 3025 (Part 40):1991
7	Chloride (as Cl)	77	Max. 250	mg/L	IS 3025 (Part 32):1988
8	Fluoride (as F)	0.8	Max.1.0	mg/L	IS 3025 (Part 60)
9	Free Residual Chlorine	BLQ (LOQ:0.05)	Min.0.2	mg/L	APHA, 23rd Ed., 4500-Cl-G, 4-72
10	Iron (as Fe)	BLQ (LOQ:0.06)	Max.1.0	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
11	Magnesium (as Mg)	34.9	Max. 30	mg/L	IS 3025 (Part 46):1994
12	Nitrate (as NO ₃)	34.4	Max.45	mg/L	APHA, 23rd Ed., 4500-NO ₃ B-4-127
13	Sulphate (as SO ₄)	46.1	Max. 200	mg/L	IS 3025 (Part 24)
14	Total Hardness (as CaCO ₃)	296	Max. 200	mg/L	IS 3025 (Part 21):1983
15	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	mg/L	APHA, 23rd Ed., 4500 P.E. 4-164
16	Silica (as SiO ₂)	12	Not specified	mg/L	IS 3025 (Part 35):1988
Biological Testing; Group: Water					
Bacteriological Parameters					
17	Total Coliforms	Absent	Not specified	/100ml	APHA, 23rd Ed., 9221-D, 9-75 P-A Coliform test: 2017

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.


Sonali Kapse
Section In-charge (Biological)
Reviewed & Authorised by




Saanvi Dalal
Section In-charge (Chemical)
Reviewed & Authorised by

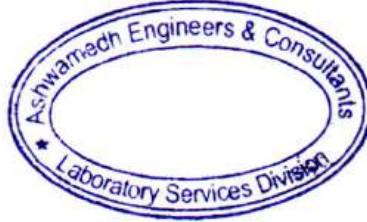




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Sample ID : W/01/24/012	Report No. W/01/24/012	Report Date	06/01/2024
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Sonali Kapse
Section In-Charge (Biological)
Reviewed & Authorised by




Saanvi Dalal
Section In-charge (Chemical)
Reviewed & Authorised by

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TEST REPORT

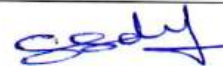
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Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Lohara Village - Borewell	Date - Sampling	31/12/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile bottle	Date - Receipt of Sample	01/01/2024
Sampling Procedure	IS 1622:1981 & IS 3025(Part I):1987 & APHA 23rd Ed.2017, 1060 B,1-40, 9060 A,9-36 & 9060 B,9-39 & ISO 19458:2006	Date - Start of Analysis	01/01/2024
Order Reference	W.O. No. 23-24/1CO035 dated 02.12.2023	Date - Completion of Analysis	05/01/2024

Sr.No.	Parameter	Result	Acceptable Limit as per IS 10500:2012	Unit	Method
Chemical Testing; Group: Water, Residues in Water					
Physical & Chemical Parameters					
1	Colour	1	Max. 5	Hazen units	IS 3025 (Part 4):1983
2	Odour	Agreeable	Agreeable	-	IS 3025 (Part 5):2018
3	pH value (at 25°C)	8.16	6.5-8.5	-	IS 3025 (Part II):1983
4	Turbidity	0.26	Max. 1	NTU	IS 3025 (Part 10):1984
5	Total Dissolved Solids	1222	Max.500	mg/L	IS 3025 (Part 16):1984
6	Calcium (as Ca)	112	Max. 75	mg/L	IS 3025 (Part 40):1991
7	Chloride (as Cl)	252	Max. 250	mg/L	IS 3025 (Part 32):1988
8	Fluoride (as F)	1.4	Max.1.0	mg/L	IS 3025 (Part 60)
9	Free Residual Chlorine	BLQ (LOQ:0.05)	Min.0.2	mg/L	APHA, 23rd Ed., 4500-Cl-6, 4-72
10	Iron (as Fe)	0.102	Max.1.0	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
11	Magnesium (as Mg)	58	Max. 30	mg/L	IS 3025 (Part 46):1994
12	Nitrate (as NO ₃)	5.45	Max.45	mg/L	APHA, 23rd Ed., 4500-NO ₃ B-4-127
13	Sulphate (as SO ₄)	155	Max. 200	mg/L	IS 3025 (Part 24)
14	Total Hardness (as CaCO ₃)	520	Max. 200	mg/L	IS 3025 (Part 21):1983
15	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	mg/L	APHA, 23rd Ed., 4500 P.E. 4-164
16	Silica (as SiO ₂)	15	Not specified	mg/L	IS 3025 (Part 35):1988
Biological Testing; Group: Water					
Bacteriological Parameters					
17	Total Coliforms	Absent	Not specified	/100ml	APHA, 23rd Ed., 9221-D, 9-75 P-A Coliform test: 2017

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.


Sonali Kapse
Section In-charge (Biological)
Reviewed & Authorised by




Saanvi Dalal
Section In-charge (Chemical)
Reviewed & Authorised by

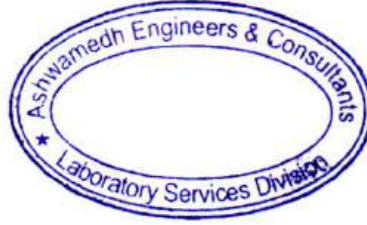




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Sample ID : W/01/24/013	Report No. W/01/24/013	Report Date	06/01/2024
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Sonali Kapse
Section In-Charge (Biological)
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Section In-charge (Chemical)
Reviewed & Authorised by

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NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/02/24/0571	Report No.: N/02/24/0571	Report Date	29/02/2024
Name and Address of Customer	Lokmangal Mauli Industries Ltd A/p-Lohara (Khurd), Tal. Lohara, Dist. Osmanabad-413608, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	Ambient Noise
Order Reference	As per JO No.23-24/1CO00035 JO date on 02/12/2023	Date of Monitoring	24/02/2024

Chemical Testing; Group: Atmospheric Pollution

Sr. No.	Location	Time (h)	Result Noise Level dB (A)	Method
1	Near Boiling House	01:00	75.8	CPCB Protocol for Ambient Level Noise Monitoring, July,2015
		22:40	73.2	
2	Near Mill House	01:20	79.2	
		22:50	70.9	
3	Near Turbine	01:40	77.6	
		23:00	74.1	

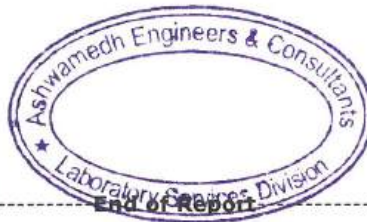
Limit

Permissible Exposure Period as Per Maharashtra Factories Rules,1963, Schedule XXIV Table 1

Total hours of sound exposure per day	Level
Hours	dB(A)
8	90
6	92
4	95

(Signature)

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



End of Report

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NOISE LEVEL MEASUREMENT REPORT

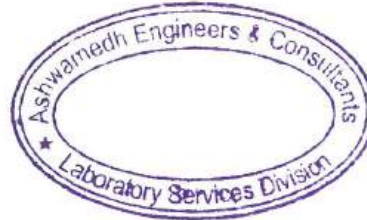
Sample ID: N/02/24/0570	Report No.: N/02/24/0570	Report Date	29/02/2024
Name and Address of Customer	Lokmangal Mauli Industries Ltd A/p-Lohara (Khurd), Tal. Lohara, Dist. Osmanabad-413608, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	Ambient Noise
Order Reference	As per JO No.23-24/1CO00035 JO date on 02/12/2023	Date of Monitoring	24/02/2024

Chemical Testing; Group: Atmospheric Pollution

Location	Time (h)	Results	Results	Method
		Noise Level dB (A) Fast Response	Noise Level dB (A) Slow Response	
A. Near Main Gate	10:30	65.2	66.7	CPCB Protocol for Ambient Level Noise Monitoring, July-2015
	22:40	59.7	64.4	
Limits				
As Per the Noise Pollution (Regulation & Control) Rules, 2000 (Rules 3 (1) and 4(1))				
Area Type	Limits in dB (A) weighted scale			
	Day (6 a.m. to 10 p.m.)		Night (10 p.m. to 6 a.m.)	
Industrial	75		70	



Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



-----End of Report-----

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NOISE LEVEL MEASUREMENT REPORT

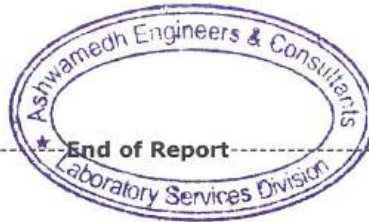
Sample ID: N/02/24/3605	Report No.: N/02/24/3605N	Report Date	29/02/2024
Name and Address of Customer	Lokmangal Mauli Industries Ltd A/p-Lohara (Khurd), Tal. Lohara, Dist. Osmanabad-413608, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	DG Noise
Order Reference	As per JO No.23-24/1CO00035 JO date on 02/12/2023	Date-Monitoring	24/02/2024

Chemical Testing; Group: Atmospheric Pollution							
Sr. No.	Location	Time (h)	Sound Level dB (A) Fast Response				Difference
			A	Inside	B	Outside	
1.	DG SET 1010 KVA I	03:00	A1	97.7	A2	72.5	25.2
		03:05	B1	96.9	B2	71.9	25.0
		03:10	C1	98.4	C2	73.3	25.1
		03:15	D1	97.5	D2	72.5	25.0
			Average	97.6	Average	72.5	25.0

Note: Standards as per MPCB Consent Condition Minimum 25 dB (A) insertion Loss.

Ninad Soundankar

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



Note:

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NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/02/24/3606	Report No.: N/02/24/3606N	Report Date	29/02/2024
Name and Address of Customer	Lokmangal Mauli Industries Ltd A/p-Lohara (Khurd), Tal. Lohara, Dist. Osmanabad-413608, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	DG Noise
Order Reference	As per JO No.23-24/1CO00035 JO date on 02/12/2023	Date-Monitoring	24/02/2024

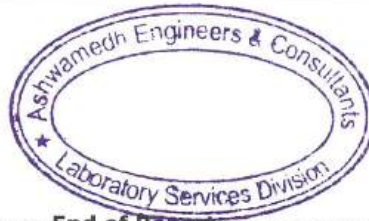
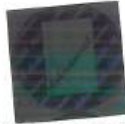
Chemical Testing; Group: Atmospheric Pollution

Sr. No.	Location	Time (h)	Sound Level dB (A) Fast Response				Difference
			A	Inside	B	Outside	
1.	DG SET 1010 KVA II	03:40	A1	97.4	A2	72.4	25.0
		03:45	B1	96.5	B2	71.3	25.2
		03:50	C1	97.9	C2	72.8	25.1
		03:55	D1	98.6	D2	73.6	25.0
			-Average	97.6	Average	72.5	25.0

Note: Standards as per MPCB Consent Condition Minimum 25 dB (A) insertion Loss.

MSK

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NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/02/24/09	Report No.: N/02/24/09	Report Date	05/02/2024
Name and Address of Customer	Lokmangal Mauli Industries Ltd A/p-Lohara (Khurd), Tal. Lohara, Dist. Osmanabad-413608, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	Workplace Noise
Order Reference	As per JO No.23-24/1CO00035 JO date on 02/12/2023	Date of Monitoring	30/01/2024

Chemical Testing; Group: Atmospheric Pollution

Sr. No.	Location	Time (h)	Result Noise Level dB (A)	Method
1	Near Boiling House	12:00	80.4	CPCB Protocol for Ambient Level Noise Monitoring, July-2015
		22:20	76.4	
2	Near Mill House	12:15	75.2	
		22:35	72.6	
3	Near Turbine	12:40	73.8	
		22:50	70.2	

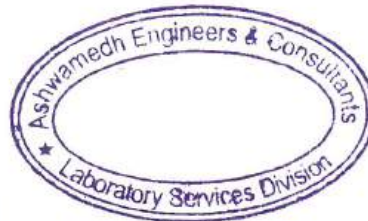
Limit

Permissible Exposure Period as Per Maharashtra Factories Rules,1963, Schedule XXIV Table 1

Total hours of sound exposure per day	Level
Hours	dB(A)
8	90
6	92
4	95



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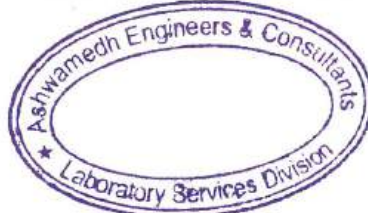


NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/02/24/08	Report No.: N/02/24/08	Report Date	05/02/2024
Name and Address of Customer	Lokmangal Mauli Industries Ltd A/p-Lohara (Khurd), Tal. Lohara, Dist. Osmanabad-413608, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	Ambient Noise
Order Reference	As per JO No.23-24/1CO00035 JO date on 02/12/2023	Date of Monitoring	30/01/2024

Chemical Testing; Group: Atmospheric Pollution				
Location	Time (h)	Results Noise Level dB (A) Fast Response	Results Noise Level dB (A) Slow Response	Method
A. Near Main Gate	10:10	64.8	65.1	CPCB Protocol for Ambient Level Noise Monitoring, July:2015
	22:20	59.4	60.7	
Limits				
As Per the Noise Pollution (Regulation & Control) Rules, 2000 (Rules 3 (1) and 4(1))				
Area Type	Limits in dB (A) weighted scale			
	Day (6 a.m. to 10 p.m.)		Night (10 p.m. to 6 a.m.)	
Industrial	75		70	

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NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/02/24/3001	Report No.: N/02/24/3001N	Report Date	05/02/2024
Name and Address of Customer	Lokmangal Mauli Industries Ltd A/p-Lohara (Khurd), Tal. Lohara, Dist. Osmanabad-413608, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	DG Noise
Order Reference	As per JO No.23-24/1CO00035 JO date on 02/12/2023	Date-Monitoring	30/01/2024

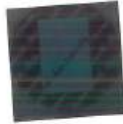
Chemical Testing; Group: Atmospheric Pollution

Sr. No.	Location	Time (h)	Sound Level dB (A) Fast Response				Difference
			A	Inside	B	Outside	
1.	DG SET 1010 KVA I	03:00	A1	97.7	A2	72.5	25.2
		03:05	B1	96.8	B2	71.7	25.1
		03:10	C1	98.5	C2	73.5	25.0
		03:15	D1	97.6	D2	72.5	25.1
			Average	97.6	Average	72.5	25.1

Note: Standards as per MPCB Consent Condition Minimum 25 dB (A) insertion Loss.

HJS

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NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/02/24/3002	Report No.: N/02/24/3002N	Report Date	05/02/2024
Name and Address of Customer	Lokmangal Mauli Industries Ltd A/p-Lohara (Khurd), Tal. Lohara, Dist. Osmanabad-413608, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	DG Noise
Order Reference	As per JO No.23-24/1CO00035 JO date on 02/12/2023	Date-Monitoring	30/01/2024

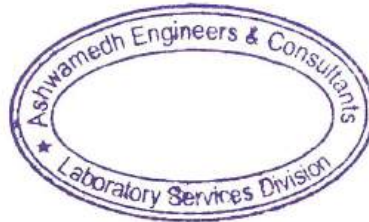
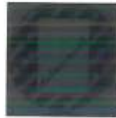
Chemical Testing; Group: Atmospheric Pollution

Sr. No.	Location	Time (h)	Sound Level dB (A) Fast Response				Difference
			A	Inside	B	Outside	
1.	DG SET 1010 KVA II	03:40	A1	97.4	A2	72.3	25.1
		03:45	B1	98.5	B2	73.5	25.0
		03:50	C1	96.7	C2	71.7	25.0
		03:55	D1	97.3	D2	72.1	25.2
			Average	97.4	Average	72.3	25.0

Note: Standards as per MPCB Consent Condition Minimum 25 dB (A) insertion Loss.

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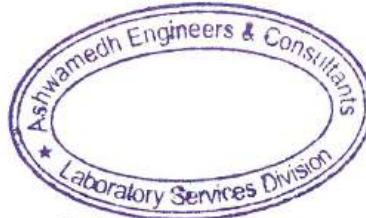
NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/01/24/012	Report No.: N/01/24/012	Report Date	04/01/2024
Name and Address of Customer	Lokmangal Mauli Industries ltd A/p-Lohara (Khurd), Tal. Lohara, Dist. Osmanabad-413608, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	Ambient Noise
Order Reference	As per JO No.23-24/1CO00035 JO date on 02/12/2023	Date of Monitoring	30/12/2023

Chemical Testing; Group: Atmospheric Pollution				
Location	Time (h)	Results Noise Level dB (A) Fast Response	Results Noise Level dB (A) Slow Response	Method
A. Near Main Gate	10:00	67.0	61.8	CPCB Protocol for Ambient Level Noise Monitoring, July AEC/C/SAP/SAM/358 36, Issue no.4, Issue date 01.04.2018
	22:40	59.2	57.3	
Limits				
As Per the Noise Pollution (Regulation & Control) Rules, 2000 (Rules 3 (1) and 4(1))				
Area Type	Limits in dB (A) weighted scale			
	Day (6 a.m. to 10 p.m.)		Night (10 p.m. to 6 a.m.)	
Industrial	75		70	

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NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/01/24/013	Report No.: N/01/24/013	Report Date	04/01/2023
Name and Address of Customer	Lokmangal Mauli Industries ltd A/p-Lohara (Khurd), Tal. Lohara, Dist. Osmanabad-413608, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	Ambient Noise
Order Reference	As per JO No.23-24/1CO00035 JO date on 02/12/2023	Date of Monitoring	30/12/2023

Chemical Testing; Group: Atmospheric Pollution

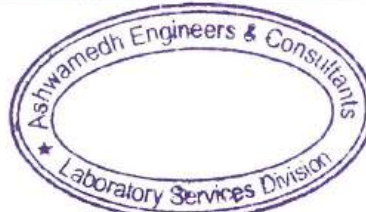
Sr. No.	Location	Time (h)	Result Noise Level dB (A)	Method
1	Near Boiling House	11:00	77.4	CPCB Protocol for Ambient Level Noise Monitoring, July AEC/C/SAP/SAM/356 36. Issue no.:4. Issue date 01.04.2018
		22:15	72.4	
2	Near Mill House	01:15	80.2	
		22:30	71.6	
3	Near Turbine	01:25	72.6	
		22:40	70.8	

Limit

Permissible Exposure Period as Per Maharashtra Factories Rules,1963, Schedule XXIV Table 1

Total hours of sound exposure per day	Level
Hours	dB(A)
8	90
6	92
4	95


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NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/01/24/3001	Report No.: N/01/24/3001N	Report Date	04/01/2024
Name and Address of Customer	Lokmangal Mauli Industries Ltd A/p-Lohara (Khurd), Tal. Lohara, Dist. Osmanabad-413608, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	DG Noise
Order Reference	As per JO No.23-24/1CO00035 JO date on 02/12/2023	Date-Monitoring	30/12/2023

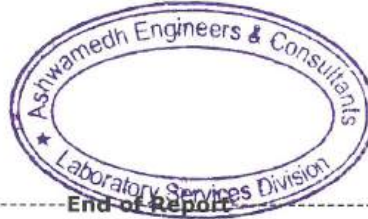
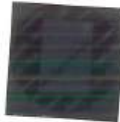
Chemical Testing; Group: Atmospheric Pollution

Sr. No.	Location	Time (h)	Sound Level dB (A) Fast Response				Difference
			A	Inside	B	Outside	
1.	DG SET 1010 KVA I	12:30	A1	97.8	A2	72.7	25.1
		12:35	B1	96.5	B2	71.5	25.0
		12:40	C1	97.7	C2	72.5	25.2
		12:45	D1	98.5	D2	73.5	25.0
			Average	97.6	Average	72.5	25.0

Note: Standards as per MPCB Consent Condition Minimum 25 dB (A) insertion Loss.



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NOISE LEVEL MEASUREMENT REPORT

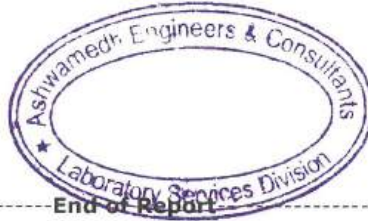
Sample ID: N/01/24/3002	Report No.: N/01/24/3002N	Report Date	04/01/2024
Name and Address of Customer	Lokmangal Mauli Industries Ltd A/p-Lohara (Khurd), Tal. Lohara, Dist. Osmanabad-413608, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	DG Noise
Order Reference	As per JO No.23-24/1CO00035 JO date on 02/12/2023	Date-Monitoring	30/12/2023

Chemical Testing; Group: Atmospheric Pollution							
Sr. No.	Location	Time (h)	Sound Level dB (A) Fast Response				Difference
			A	Inside	B	Outside	
1.	DG SET 1010 KVA II	12:30	A1	97.6	A2	72.6	25.0
		12:35	B1	98.6	B2	73.5	25.1
		12:40	C1	97.4	C2	72.4	25.0
		12:45	D1	96.9	D2	71.7	25.2
			Average	97.6	Average	72.5	25.0

Note: Standards as per MPCB Consent Condition Minimum 25 dB (A) insertion Loss.

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TEST REPORT

Sample ID : S/02/24/0359	Report No. S/02/24/0359	Report Date	02/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Khed Village	Date - Sampling	25/02/2024
Sample Quantity / Packing	500 g x 1 no. paper bag	Date - Receipt of Sample	27/02/2024
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	27/02/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	pH (1:5 suspension at 25°C)	7.72	-	FAO, Sec. III, I, Page no.65: 1976
2	Electrical Conductivity (1:5 suspension, 25°C)	0.212	mmhos/cm	FAO, Sec. III, 5, Page no. 85 : 1976
3	Moisture Content	6.1	% by Weight	Dept. of Agriculture & Cooperation, Ministry of Agriculture, Govt. of India, Jan 2011
4	Organic Matter	1.41	%	FAO, Sec. III, 3, Page no.73: 1976
5	Total Nitrogen (as N)	78.2	mg/kg	FAO, Sec III.4, Page No. 78: 1976
6	Total Potassium (as K)	1186	mg/kg	USEPA/SW 846/7000B
7	Calcium (as Ca)	7142	mg/kg	USEPA/SW 846/6010C
8	Sodium (as Na)	391	mg/kg	USEPA/SW 846/7000B
9	Chloride (as Cl)	88.6	mg/kg	AEC/C/SAP/S-7
10	Sulphate (as SO ₄)	68.4	mg/kg	USEPA/SW 846/903B

Note: All results are on air dry basis.

FAO: Food & Agriculture Organization, United Nations.

Sample ID S/02/24/0359 bears two Test Reports - S/02/24/0359 and S/02/24/0359N


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AEC/F/REP/1-A

TEST REPORT

Sample ID : S/02/24/0359	Report No. S/02/24/0359N	Report Date	02/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Khed Village	Date - Sampling	25/02/2024
Sample Quantity / Packing	500 g x 1 no. paper bag	Date - Receipt of Sample	27/02/2024
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	27/02/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	Magnesium (as Mg)	2.5	mg/kg	AEC/C/SAP/S-ID

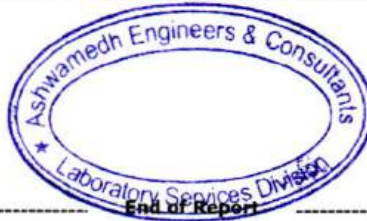
Note: All results are on air dry basis.

FAO: Food & Agriculture Organization, United Nations.

Sample ID S/02/24/0359 bears two Test Reports - S/02/24/0359 and S/02/24/0359N



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TEST REPORT

Sample ID : S/02/24/0360	Report No. S/02/24/0360	Report Date	02/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Lohara Village	Date - Sampling	25/02/2024
Sample Quantity / Packing	500 g x 1 no. paper bag	Date - Receipt of Sample	27/02/2024
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	27/02/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	pH (1:5 suspension at 25°C)	7.6	-	FAO, Sec. III, 1, Page no.65: 1976
2	Electrical Conductivity (1:5 suspension, 25°C)	0.213	mmhos/cm	FAO, Sec. III, 5, Page no. 85 : 1976
3	Moisture Content	7.13	% by Weight	Dept. of Agriculture & Cooperation, Ministry of Agriculture, Govt. of India, Jan 2011
4	Organic Matter	1.26	%	FAO, Sec. III, 3, Page no.73: 1976
5	Total Nitrogen (as N)	71.1	mg/kg	FAO, Sec III.4, Page No. 78: 1976
6	Total Potassium (as K)	1278	mg/kg	USEPA/SW 846/7000B
7	Calcium (as Ca)	4927	mg/kg	USEPA/SW 846/6010C
8	Sodium (as Na)	616	mg/kg	USEPA/SW 846/7000B
9	Chloride (as Cl)	123	mg/kg	AEC/C/SAP/S-7
10	Sulphate (as SO ₄)	96	mg/kg	USEPA/SW 846/903B

Note: All results are on air dry basis.

FAO: Food & Agriculture Organization, United Nations.

Sample ID S/02/24/0360 bears two Test Reports - S/02/24/0360 and S/02/24/0360N



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4. There are no additions to, deviations or exclusions from the method.



TEST REPORT

Sample ID : S/02/24/0360	Report No. S/02/24/0360N	Report Date	02/03/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Lohara Village	Date - Sampling	25/02/2024
Sample Quantity / Packing	500 g x 1 no. paper bag	Date - Receipt of Sample	27/02/2024
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	27/02/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	02/03/2024

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	Magnesium (as Mg)	1.99	mg/kg	AEC/C/SAP/S-ID
Note: All results are on air dry basis. FAO: Food & Agriculture Organization, United Nations. Sample ID S/02/24/0360 bears two Test Reports - S/02/24/0360 and S/02/24/0360N				


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4. There are no additions to, deviations or exclusions from the method.



TEST REPORT

Sample ID : S/02/24/09	Report No. S/02/24/09	Report Date	09/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Lohara Village	Date - Sampling	30/01/2024
Sample Quantity / Packing	500 g x 1 no. paper bag	Date - Receipt of Sample	01/02/2024
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	01/02/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	08/02/2024

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	pH (1:5 suspension at 25°C)	7.93	-	FAO, Sec. III, I, Page no.65: 1976
2	Electrical Conductivity (1:5 suspension, 25°C)	0.151	mmhos/cm	FAO, Sec. III, 5, Page no. 85 : 1976
3	Moisture Content	7.23	% by Weight	Dept. of Agriculture & Cooperation, Ministry of Agriculture, Govt. of India, Jan 2011
4	Organic Matter	1.39	%	FAO, Sec. III, 3, Page no.73: 1976
5	Total Nitrogen (as N)	69.8	mg/kg	FAO, Sec III, 4, Page No. 78: 1976
6	Total Potassium (as K)	1094	mg/kg	USEPA/SW 846/7000B
7	Sodium (as Na)	392	mg/kg	USEPA/SW 846/7000B
8	Chloride (as Cl)	88.2	mg/kg	AEC/C/SAP/S-7
9	Sulphate (as SO ₄)	61.2	mg/kg	USEPA/SW 846/9038

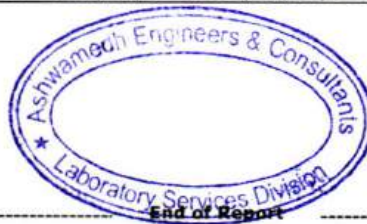
Note: All results are on air dry basis.

FAO: Food & Agriculture Organization, United Nations.

Sample ID S/02/24/09 bears two Test Reports - S/02/24/09 and S/02/24/09N



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TEST REPORT

Sample ID : S/02/24/09	Report No. S/02/24/09N	Report Date	09/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Lohara Village	Date - Sampling	30/01/2024
Sample Quantity / Packing	500 g x 1 no. paper bag	Date - Receipt of Sample	01/02/2024
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	01/02/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	08/02/2024

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	Calcium (as Ca)	586722	mg/kg	USEPA/SW 846/6010C
2	Magnesium (as Mg)	1.99	mg/kg	AEC/C/SAP/S-10

Note: All results are on air dry basis.
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TEST REPORT

Sample ID : S/02/24/08	Report No. S/02/24/08	Report Date	09/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Khed Village	Date - Sampling	30/01/2024
Sample Quantity / Packing	500 g x 1 no. paper bag	Date - Receipt of Sample	01/02/2024
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	01/02/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	08/02/2024

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	pH (1:5 suspension at 25°C)	7.48	-	FAO, Sec. III, I, Page no.65: 1976
2	Electrical Conductivity (1:5 suspension, 25°C)	0.183	mmhos/cm	FAO, Sec. III, 5, Page no. 85 : 1976
3	Moisture Content	7.03	% by Weight	Dept. of Agriculture & Cooperation, Ministry of Agriculture, Govt. of India, Jan 2011
4	Organic Matter	1.62	%	FAO, Sec. III, 3, Page no.73: 1976
5	Total Nitrogen (as N)	78.2	mg/kg	FAO, Sec III.4, Page No. 78: 1976
6	Total Potassium (as K)	1838	mg/kg	USEPA/SW 846/7000B
7	Calcium (as Ca)	402648	mg/kg	USEPA/SW 846/6010C
8	Sodium (as Na)	263	mg/kg	USEPA/SW 846/7000B
9	Chloride (as Cl)	106	mg/kg	AEC/C/SAP/S-7
10	Sulphate (as SO ₄)	52.2	mg/kg	USEPA/SW 846/9038

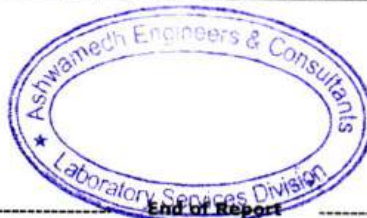
Note: All results are on air dry basis.

FAO: Food & Agriculture Organization, United Nations.

Sample ID S/02/24/08 bears two Test Reports - S/02/24/08 and S/02/24/08N



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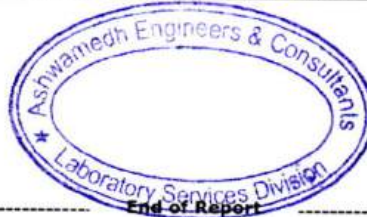
TEST REPORT

Sample ID : S/02/24/08	Report No. S/02/24/08N	Report Date	09/02/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Khed Village	Date - Sampling	30/01/2024
Sample Quantity / Packing	500 g x 1 no. paper bag	Date - Receipt of Sample	01/02/2024
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	01/02/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	08/02/2024

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	Magnesium (as Mg)	2.98	mg/kg	AEC/C/SAP/S-ID
Note: All results are on air dry basis. FAO: Food & Agriculture Organization, United Nations. Sample ID S/02/24/08 bears two Test Reports - S/02/24/08 and S/02/24/08N				



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TEST REPORT

Sample ID : S/01/24/05	Report No. S/01/24/05	Report Date	09/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Lohara Village	Date - Sampling	30/12/2023
Sample Quantity / Packing	500 g x 1 no. paper bag	Date - Receipt of Sample	01/01/2024
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	01/01/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	08/01/2024

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	pH (1:5 suspension at 25°C)	9.47	-	FAO, Sec. III, I, Page no.65
2	Electrical Conductivity (1:5 suspension, 25°C)	0.786	mmhos/cm	FAO, Sec. III, 5, Page no. 85
3	Moisture Content	8.23	% by Weight	Dept. of Agriculture & Cooperation, Ministry of Agriculture, Govt. of India, Jan 2011
4	Organic Matter	BLQ (LOQ:1)	%	FAO, Sec. III, 3, Page no.73
5	Total Nitrogen (as N)	81.1	mg/kg	FAO, Sec. III, 4, Page No. 78
6	Total Potassium (as K)	1530	mg/kg	USEPA/SW 846/7000B
7	Sodium (as Na)	2426	mg/kg	USEPA/SW 846/7000B
8	Chloride (as Cl)	88.5	mg/kg	AEC/C/SAP/S-7
9	Sulphate (as SO ₄)	80.9	mg/kg	USEPA/SW 846/9038
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification Note: All results are on air dry basis. FAO: Food & Agriculture Organization, United Nations. Sample ID S/01/24/05 bears two Test Reports - S/01/24/05 and S/01/24/05N				


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TEST REPORT

Sample ID : S/01/24/05	Report No. S/01/24/05N	Report Date	09/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Lohara Village	Date - Sampling	30/12/2023
Sample Quantity / Packing	500 g x 1 no. paper bag	Date - Receipt of Sample	01/01/2024
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	01/01/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	08/01/2024

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	Calcium (as Ca)	14.5	%	USEPA/SW 846/6010C
2	Magnesium (as Mg)	2	mg/kg	AEC/C/SAP/S-10

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Note: All results are on air dry basis.

FAO: Food & Agriculture Organization, United Nations.

Sample ID S/01/24/05 bears two Test Reports - S/01/24/05 and S/01/24/05N

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TEST REPORT

Sample ID : S/01/24/04	Report No. S/01/24/04	Report Date	09/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Khed Village	Date - Sampling	30/12/2023
Sample Quantity / Packing	500 g x 1 no. paper bag	Date - Receipt of Sample	01/01/2024
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	01/01/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	08/01/2024

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	pH (1:5 suspension at 25°C)	8.23	-	FAO, Sec. III, I, Page no.65
2	Electrical Conductivity (1:5 suspension, 25°C)	0.319	mmhos/cm	FAO, Sec. III, 5, Page no. 85
3	Moisture Content	7.19	% by Weight	Dept. of Agriculture & Cooperation, Ministry of Agriculture, Govt. of India, Jan 2011
4	Organic Matter	1.83	%	FAO, Sec. III, 3, Page no.73
5	Total Nitrogen (as N)	69.8	mg/kg	FAO, Sec III, 4, Page No. 78
6	Total Potassium (as K)	2199	mg/kg	USEPA/SW 846/7000B
7	Sodium (as Na)	418	mg/kg	USEPA/SW 846/7000B
8	Chloride (as Cl)	115	mg/kg	AEC/C/SAP/S-7
9	Sulphate (as SO ₄)	72.8	mg/kg	USEPA/SW 846/9038

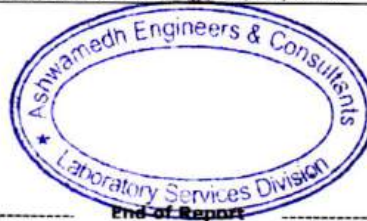
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FAO: Food & Agriculture Organization, United Nations.

Sample ID S/01/24/04 bears two Test Reports - S/01/24/04 and S/01/24/04N

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TEST REPORT

Sample ID : S/01/24/04	Report No. S/01/24/04N	Report Date	09/01/2024
Name and address of Customer	Lokmangal Mauli Industries Ltd. A/P. - Lohara (Khurd), Tal. Lohara, Dist. Osmanabad - 413608, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Khed Village	Date - Sampling	30/12/2023
Sample Quantity / Packing	500 g x 1 no. paper bag	Date - Receipt of Sample	01/01/2024
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	01/01/2024
Order Reference	JO No. 23-24/1CO00035 dated 02.12.2023	Date - Completion of Analysis	08/01/2024

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	Calcium (as Ca)	26.3	%	USEPA/SW 846/6010C
2	Magnesium (as Mg)	1.50	mg/kg	AEC/C/SAP/S-10

Note: All results are on air dry basis.
FAO: Food & Agriculture Organization, United Nations.
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