



GESEC

TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/03/1066	Date of Report	09/03/2021
Client Name and Address: M/s Om Sairam Steels and Alloys Pvt. Ltd. Plot No. F 1,2,3,8,9,10,Addl. MIDC, Phase II, Adjacent Gut No. 46 & 63, Village Dargaon, Tahsil and District Jalna, Maharashtra.	Date of Sampling	01/03/2021 to 02/03/2021
	Start Date of Analysis	03/03/2021
	End Date of Analysis	09/03/2021
	Sample Details	Ambient Air
	Sample Location	Near Store
Time of Sampling	10:25Hrs to 10:25Hrs	
Sample Collected By	Envirotech Research Pvt. Ltd.	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	29	°C	
2.	Dry Bulb Temperature	29	°C	
3.	Wet Bulb Temperature	25	°C	
4.	Relative Humidity	55	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	11.69	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	18.7	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	55.9	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	22.3	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.1	mg/M ³	≤ 04
11.	Ozone(O ₃)	BDL	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	BDL	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20

Remark-

➤ All above results are within National Ambient Air Quality standards.

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Report No: GESEC/PRO/2020-21/03/1067	Date of Report	09/03/2021
Client Name and Address: M/s Om Sairam Steels and Alloys Pvt. Ltd. Plot No. F 1,2,3,8,9,10,Addl. MIDC, Phase II, Adjacent Gut No. 46 & 63, Village Daregaon, Tahsil and District Jalna, Maharashtra.	Date of Sampling	01/03/2021 to 02/03/2021
	Start Date of Analysis	03/03/2021
	End Date of Analysis	09/03/2021
	Sample Details	Ambient Air
	Sample Location	Near Finished Goods (TMT Bars Storage Area)
	Time of Sampling	10:25Hrs to 10:25 Hrs
Sample Collected By	Envirotech Research Pvt. Ltd.	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	29	°C	
2.	Dry Bulb Temperature	29	°C	
3.	Wet Bulb Temperature	25	°C	
4.	Relative Humidity	55	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	13.4	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	17.2	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	44.7	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	14.8	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.2	mg/M ³	≤ 04
11.	Ozone(O ₃)	BDL	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	BDL	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20

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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/03/1068	Date of Report	09/03/2021
Client Name and Address: M/s Om Sairam Steels and Alloys Pvt. Ltd. Plot No. F 1,2,3,8,9,10,Addl. MIDC, Phase II, Adjacent Gut No. 46 & 63, Village Dargaon, Tahsil and District Jalna, Maharashtra.	Date of Sampling	01/03/2021 to 02/03/2021
	Start Date of Analysis	03/03/2021
	End Date of Analysis	09/03/2021
	Sample Details	Ambient Air
	Sample Location	Near Cooling Tower
	Time of Sampling	10:25Hrs to 10:25 Hrs
Sample Collected By	Envirotech Research Pvt. Ltd.	

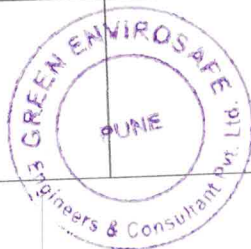
Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	29	°C	
2.	Dry Bulb Temperature	29	°C	
3.	Wet Bulb Temperature	25	°C	
4.	Relative Humidity	55	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	13.7	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	17.9	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	47.3	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	12.8	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.3	mg/M ³	≤ 04
11.	Ozone(O ₃)	BDL	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	BDL	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20

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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/03/1069	Date of Report	09/03/2021
Client Name and Address: M/s Om Sairam Steels and Alloys Pvt. Ltd. Plot No. F 1,2,3,8,9,10,Addl. MIDC, Phase II, Adjacent Gut No. 46 & 63, Village Daregaon, Tahsil and District Jalna, Maharashtra.	Date of Sampling	01/03/2021 to 02/03/2021
	Start Date of Analysis	03/03/2021
	End Date of Analysis	09/03/2021
	Sample Details	Ambient Air
	Sample Location	Near Substation
	Time of Sampling	10:25Hrs to 10:25 Hrs
Sample Collected By	Envirotech Research Pvt. Ltd.	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	29	°C	
2.	Dry Bulb Temperature	29	°C	
3.	Wet Bulb Temperature	25	°C	
4.	Relative Humidity	55	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	13.4	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	17.9	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	45.7	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	13.5	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.2	mg/M ³	≤ 04
11.	Ozone(O ₃)	BDL	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	BDL	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20

Remark-

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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/03/1070	Date of Report	09/03/2021
Client Name and Address: M/s Om Sairam Steels and Alloys Pvt. Ltd. Plot No. F 1,2,3,8,9,10,Addl. MIDC, Phase II, Adjacent Gut No. 46 & 63, Village Dargaon, Tahsil and District Jalna, Maharashtra.	Date of Sampling	02/03/2021
	Start Date of Analysis	03/03/2021
	End Date of Analysis	09/03/2021
	Sample Location	Induction Furnace (40& 30MT)
	Sample Details	Stack
	Time of Sampling	12:15 Hrs To 13:00Hrs
Sample Collected By	Envirotech Research Pvt. Ltd.	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits As Per MPCB Consent
1.	Material of Stack	MS	--	
2.	Stack Height from G.L.	42	Mtr.	
3.	Type of Stack	Round	--	
4.	Sampling Duration	15.0	Min.	
5.	Type Of Fuel	Electric Power	--	
6.	Flue Gas Temperature	415	°K	
7.	Differential Pressure	9.12	mmWG	
8.	Velocity	11.68	M/s	
9.	Dimensions of Stack	1.3	Mtr.	
10.	Stack Area	1.3266	M ²	
11.	Gas Volume	40065.767	NM ³ /Hr	
12.	Total Particulate Matter	12.7	mg/NM ³	≤ 150
13.	Oxide of Nitrogen (NO _x)	3.9	mg/NM ³	N.S.
14.	Sulphur Dioxide (SO ₂)	5.2	mg/NM ³	N.S.
15.	Sulphur Dioxide (SO ₂)	5.0	Kg/day	N.S.

Remark(s):

- All above results are well within MPCB Limit.
- N.S.: - Not Specified

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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/03/1071	Date of Report	09/03/2021
Client Name and Address: M/s Om Sairam Steels and Alloys Pvt. Ltd. Plot No. F 1,2,3,8,9,10,Addl. MIDC, Phase II, Adjacent Gut No. 46 & 63, Village Daregaon, Tahsil and District Jalna, Maharashtra.	Date of Sampling	02/03/2021
	Start Date of Analysis	03/03/2021
	End Date of Analysis	09/03/2021
	Sample Location	Induction Furnace (25 MT)
	Sample Details	Stack
	Time of Sampling	15:30 Hrs To 16:10 Hrs
Sample Collected By	Envirotech Research Pvt. Ltd.	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits As Per MPCB Consent
1.	Material of Stack	MS	--	
2.	Stack Height from G.L.	42	Mtr.	
3.	Type of Stack	Round	--	
4.	Sampling Duration	15.0	Min.	
5.	Type Of Fuel	Electric Power	--	
6.	Flue Gas Temperature	369	°K	
7.	Differential Pressure	5.18	mmWG	
8.	Velocity	8.30	M/s	
9.	Dimensions of Stack	1.3	Mtr.	
10.	Stack Area	1.3266	M ²	
11.	Gas Volume	32022.245	NM ³ /Hr	
12.	Total Particulate Matter	15.7	mg/NM ³	≤ 150
13.	Oxide of Nitrogen (NO _x)	3.6	mg/NM ³	N.S.
14.	Sulphur Dioxide (SO ₂)	4.2	mg/NM ³	N.S.
15.	Sulphur Dioxide (SO ₂)	3.22	Kg/day	N.S.

Remark(s):

- All above results are well within MPCB Limit.
- N.S.: - Not Specified

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Report No: GESEC/PRO/2020-21/03/1072	Date of Report	09/03/2021
Client Name and Address: M/s Om Sairam Steels and Alloys Pvt. Ltd. Plot No. F 1,2,3,8,9,10,Addl. MIDC, Phase II, Adjacent Gut No. 46 & 63, Village Daregaon, Tahsil and District Jalna, Maharashtra.	Date of Sampling	02/03/2021
	Sample Details	Ambient Noise
Sample Collected By	Envirotech Research PVT. LTD.	

Ambient Noise Report

Sr. No.	Location	Result dB(A)		CPCB Standards dB(A)
		Day	Night	
1.	Near Store	65.2	56.3	75/70
2.	Near Finished Goods (TMT Bars Storage Area)	58.7	52.2	
3.	Near Cooling Tower	64.3	59.0	
4.	Near Substation	62.1	55.7	

Remark-

- All above Noise level results are within Central Pollution Control Board Standards limit.
- Day/Night -75/70 dB.

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Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO/IEC 17025:2005 (NABL), ISO 9001:2015 and OHSAS 18001:2007 Certified Company

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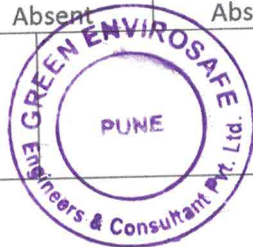
Report No: GESEC/PRO/2020-21/03/1073	Date of Report	09/03/2021
Client Name and Address: M/s Om Sairam Steels and Alloys Pvt. Ltd. Plot No. F 1,2,3,8,9,10,Addl. MIDC, Phase II, Adjacent Gut No. 46 & 63, Village Daregaon, Tahsil and District Jalna, Maharashtra.	Date of Sampling	02/03/2021
	Start Date of Analysis	03/03/2021
	End Date of Analysis	09/03/2021
	Sample Details	Bore Well Gut No.79, Daregaon, Jalna
	Nature of sample	Liquid
Sample Collected By	Envirotech Research PVT. LTD.	

WATER ANALYSIS REPORT

Sr. No.	Parameter	Result	Limits as per Is 10500:2012	Unit(s)	Standard Method
Physical Parameter					
1.	Color	Clear	5	Hazen	IS : 3025 (Part 4):1983
2.	Turbidity	<1.0	10	NTU	IS : 3025 (Part 10):1984
3.	TDS	346	2000	ppm	IS : 3025 (Part 16):1984
4.	EC	531.0	--	µS/cm	IS : 3025 (Part 14):1984
Chemical Parameter					
5.	pH	7.5	6.5 to 8.5	--	IS:3025 Part-11(R.A:2012)
6.	Total Hardness	172.3	600	mg/lit	IS:3025 Part-21(R.A:2012)
7.	Total Alkalinity	157.4	600	mg/lit	IS:3025 Part-23(R.A:2012)
8.	Sulphate	67.0	400	mg/lit	IS:3025 Part-24(R.A:2012)
9.	Nitrate	1.2	<45	mg/lit	IS:3025(part 34):1988
10.	Fluoride	Nil	<1.5	mg/lit	IS : 3025 (Part 23)1983
11.	Residual Chlorine	<0.2	<0.20	mg/lit	IS : 3025 (Part 26)1986
12.	Chloride	69.3	100	mg/lit	IS:3025 Part-32(R.A:2014)
13.	Calcium (as Ca)	38.4	200	mg/lit	IS:3025 Part-40(R.A:2012)
14.	Magnesium (as Mg)	24.6	100	mg/lit	IS:3025 Part-46(R.A:2012)
Microbiological Parameter					
15.	Total Coliform	Absent	<50	MPN/100ml	IS 1622:1981
16.	E.coli.	Absent	Absent	per/100ml	IS 1622:1981

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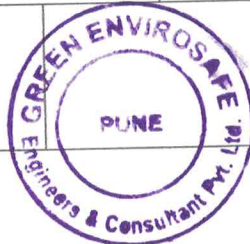
Report No: GESEC/PRO/2020-21/03/1074	Date of Report	09/03/2021
Client Name and Address: M/s Om Sairam Steels and Alloys Pvt. Ltd. Plot No. F 1,2,3,8,9,10,Addl. MIDC, Phase II, Adjacent Gut No. 46 & 63, Village Daregaon, Tahsil and District Jalna, Maharashtra.	Date of Sampling	02/03/2021
	Start Date of Analysis	03/03/2021
	End Date of Analysis	09/03/2021
	Sample Details	Bore Well Gut No.69, Daregaon, Jalna
	Nature of sample	Liquid
Sample Collected By	Envirotech Research PVT. LTD.	

WATER ANALYSIS REPORT

Sr. No.	Parameter	Result	Limits as per Is 10500:2012	Unit(s)	Standard Method
Physical Parameter					
1.	Color	Clear	5	Hazen	IS : 3025 (Part 4):1983
2.	Turbidity	<1.0	10	NTU	IS : 3025 (Part 10):1984
3.	TDS	375	2000	ppm	IS : 3025 (Part 16):1984
4.	EC	571.0	--	µS/cm	IS : 3025 (Part 14):1984
Chemical Parameter					
5.	pH	7.1	6.5 to 8.5	--	IS:3025 Part-11(R.A:2012)
6.	Total Hardness	174.3	600	mg/lit	IS:3025 Part-21(R.A:2012)
7.	Total Alkalinity	184.1	600	mg/lit	IS:3025 Part-23(R.A:2012)
8.	Sulphate	57.8	400	mg/lit	IS:3025 Part-24(R.A:2012)
9.	Nitrate	1.6	<45	mg/lit	IS:3025(part 34):1988
10.	Fluoride	Nil	<1.5	mg/lit	IS : 3025 (Part 23)1983
11.	Residual Chlorine	<0.1	<0.20	mg/lit	IS : 3025 (Part 26)1986
12.	Chloride	61.2	1000	mg/lit	IS:3025 Part-32(R.A:2014)
13.	Calcium (as Ca)	53.4	200	mg/lit	IS:3025 Part-40(R.A:2012)
14.	Magnesium (as Mg)	26.0	100	mg/lit	IS:3025 Part-46(R.A:2012)
Microbiological Parameter					
15.	Total Coliform	Absent	<50	MPN/100ml	IS 1622:1981
16.	E.coli.	Absent	Absent	per/100ml	IS 1622:1981

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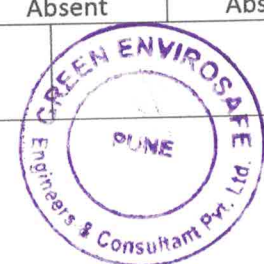



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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/03/1075	Date of Report	09/03/2021
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	Start Date of Analysis	03/03/2021
	End Date of Analysis	09/03/2021
	Sample Details	Well Gut No.44 & 45, Daregaon, Jalna
	Nature of sample	Liquid
Sample Collected By	Envirotech Research PVT. LTD.	

WATER ANALYSIS REPORT

Sr. No.	Parameter	Result	Limits as per Is 10500:2012	Unit(s)	Standard Method
Physical Parameter					
1.	Color	Clear	5	Hazen	IS : 3025 (Part 4):1983
2.	Turbidity	<1.0	10	NTU	IS : 3025 (Part 10):1984
3.	TDS	425.3	2000	ppm	IS : 3025 (Part 16):1984
4.	EC	621.0	--	µS/cm	IS : 3025 (Part 14):1984
Chemical Parameter					
5.	pH	7.3	6.5 to 8.5	--	IS:3025 Part-11(R.A:2012)
6.	Total Hardness	256.1	600	mg/lit	IS:3025 Part-21(R.A:2012)
7.	Total Alkalinity	247.5	600	mg/lit	IS:3025 Part-23(R.A:2012)
8.	Sulphate	59.0	400	mg/lit	IS:3025 Part-24(R.A:2012)
9.	Nitrate	1.2	<45	mg/lit	IS:3025(part 34):1988
10.	Fluoride	Nil	<1.5	mg/lit	IS : 3025 (Part 23)1983
11.	Residual Chlorine	<0.3	<0.20	mg/lit	IS : 3025 (Part 26)1986
12.	Chloride	79.2	1000	mg/lit	IS:3025 Part-32(R.A:2014)
13.	Calcium (as Ca)	72.4	200	mg/lit	IS:3025 Part-40(R.A:2012)
14.	Magnesium (as Mg)	26.0	100	mg/lit	IS:3025 Part-46(R.A:2012)
Microbiological Parameter					
15.	Total Coliform	Absent	<50	MPN/100ml	IS 1622:1981
16.	E.coli.	Absent	Absent	per/100ml	IS 1622:1981
ANALYZED BY-				AUTHORIZED SIGNATORY-	
					

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- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
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- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
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