



TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/01/856	Date of Report	30/01/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/01/2021
	Start Date of Analysis	23/01/2021
	End Date of Analysis	30/01/2021
	Sample Details	Ambient Air
	Sample Location	Near Main Gate
	Time of Sampling	10:00
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

Ambient Air Analysis Report

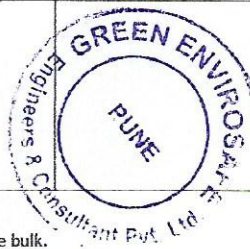
Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	26	°C	
2.	Dry Bulb Temperature	26	°C	
3.	Wet Bulb Temperature	24	°C	
4.	Relative Humidity	73	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	22.7	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	29.1	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	65.3	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	30.7	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	1.2	mg/M ³	≤ 04
11.	Ozone(O ₃)	<21	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.

➤ BDL – Below Detectable Limit.

ANALYZED BY-

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Terms and conditions

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- MoEF approved Lab by Govt. of India. From date. 09/02/2017 to 08/02/2022.

SMSKL - HO.	
Inward No.	224
Date	23-1-21
Sign.	<i>[Signature]</i>

TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/01/857	Date of Report	30/01/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/01/2021
	Start Date of Analysis	23/01/2021
	End Date of Analysis	30/01/2021
	Sample Details	Ambient Air
	Sample Location	Near Biogas Lab Area
	Time of Sampling	10:10
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

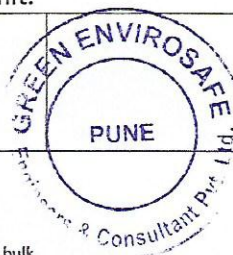
Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	26	°C	
2.	Dry Bulb Temperature	26	°C	
3.	Wet Bulb Temperature	24	°C	
4.	Relative Humidity	73	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	19.4	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	23.7	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	63.5	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	26.7	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	1.2	mg/M ³	≤ 04
11.	Ozone(O ₃)	<22	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.

➤ BDL – Below Detectable Limit.

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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/02/853	Date of Report	27/02/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	20/02/2021
	Start Date of Analysis	21/02/2021
	End Date of Analysis	27/02/2021
	Sample Details	Ambient Air
	Sample Location	Near Main Gate
	Time of Sampling	10:10
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	30	°C	
2.	Dry Bulb Temperature	30	°C	
3.	Wet Bulb Temperature	27	°C	
4.	Relative Humidity	70	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	20.1	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	22.5	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	57.6	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	25.4	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	1.1	mg/M ³	≤ 04
11.	Ozone(O ₃)	<21	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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[Signature]

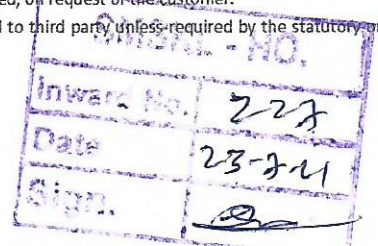


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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/02/854	Date of Report	27/02/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	20/02/2021
	Start Date of Analysis	21/02/2021
	End Date of Analysis	27/02/2021
	Sample Details	Ambient Air
	Sample Location	Near Office Area
	Time of Sampling	10:20
Sample Collected By	Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune	

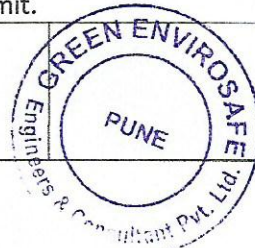
Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	30	°C	
2.	Dry Bulb Temperature	30	°C	
3.	Wet Bulb Temperature	27	°C	
4.	Relative Humidity	70	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	15.6	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	20.4	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	60.6	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	26.9	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.3	mg/M ³	≤ 04
11.	Ozone(O ₃)	<20	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.

➤ BDL – Below Detectable Limit.

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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/03/1478	Date of Report	31/03/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/03/2021
	Start Date of Analysis	23/03/2021
	End Date of Analysis	31/03/2021
	Sample Details	Ambient Air
	Sample Location	Near Main Gate
	Time of Sampling	10:10
Sample Collected By	Green EnviroSAFE Engineers & Consultant Pvt. Ltd, Pune	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	31	°C	
2.	Dry Bulb Temperature	31	°C	
3.	Wet Bulb Temperature	28	°C	
4.	Relative Humidity	66	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	14.2	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	18.6	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	50.9	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	17.6	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.5	mg/M ³	≤ 04
11.	Ozone(O ₃)	<21	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.

➤ BDL – Below Detectable Limit.

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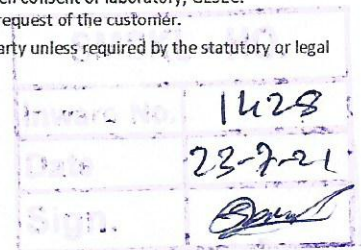


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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/03/1479	Date of Report	31/03/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/03/2021
	Start Date of Analysis	23/03/2021
	End Date of Analysis	31/03/2021
	Sample Details	Ambient Air
	Sample Location	Near Colony Area
	Time of Sampling	10:20
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

Ambient Air Analysis Report

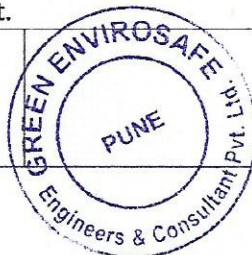
Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	31	°C	
2.	Dry Bulb Temperature	31	°C	
3.	Wet Bulb Temperature	28	°C	
4.	Relative Humidity	66	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	13.6	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	19.5	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	51.6	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	20.7	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.3	mg/M ³	≤ 04
11.	Ozone(O ₃)	<21	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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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/04/603	Date of Report	30/04/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/04/2021
	Start Date of Analysis	23/04/2021
	End Date of Analysis	30/04/2021
	Sample Details	Ambient Air
	Sample Location	Near Main Gate
	Time of Sampling	10:15
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

Ambient Air Analysis Report

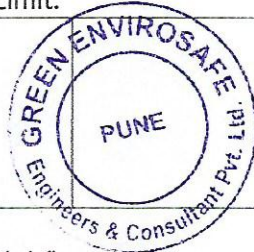
Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	30	°C	
2.	Dry Bulb Temperature	30	°C	
3.	Wet Bulb Temperature	28	°C	
4.	Relative Humidity	65	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	14.2	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	18.9	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	50.4	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	12.9	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.3	mg/M ³	≤ 04
11.	Ozone(O ₃)	<21	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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SMSKL - NO.	
Inward No.	225
Date	23-7-21
Sign.	<i>Paul</i>



TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/04/604	Date of Report	30/04/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/04/2021
	Start Date of Analysis	23/04/2021
	End Date of Analysis	30/04/2021
	Sample Details	Ambient Air
	Sample Location	Near Distillation Area
	Time of Sampling	10:30
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

Ambient Air Analysis Report

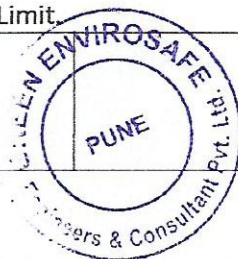
Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	30	°C	
2.	Dry Bulb Temperature	30	°C	
3.	Wet Bulb Temperature	28	°C	
4.	Relative Humidity	65	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	13.2	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	16.9	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	50.6	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	21.7	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.2	mg/M ³	≤ 04
11.	Ozone(O ₃)	<20	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/2021-22/05/901	Date of Report	31/05/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	24/05/2021
	Start Date of Analysis	25/05/2021
	End Date of Analysis	31/05/2021
	Sample Details	Ambient Air
	Sample Location	Near Main Gate
	Time of Sampling	10:15
Sample Collected By	Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune	

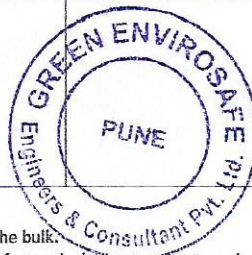
Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	32	°C	
2.	Dry Bulb Temperature	32	°C	
3.	Wet Bulb Temperature	28	°C	
4.	Relative Humidity	54	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	16.7	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	21.4	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	52.9	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	13.8	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.2	mg/M ³	≤ 04
11.	Ozone(O ₃)	<21	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.

➤ BDL – Below Detectable Limit.

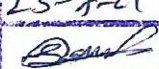
ANALYZED BY-

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SMSKL - HO.	
Inward No.	229
Date	23-7-21
Sign.	



TEST CERTIFICATE

Report No: GESEC/PRO/2021-22/05/902	Date of Report	31/05/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	24/05/2021
	Start Date of Analysis	25/05/2021
	End Date of Analysis	31/05/2021
	Sample Details	Ambient Air
	Sample Location	Near Mill Area
	Time of Sampling	10:30
Sample Collected By	Green EnviroSAFE Engineers & Consultant Pvt. Ltd, Pune	

Ambient Air Analysis Report

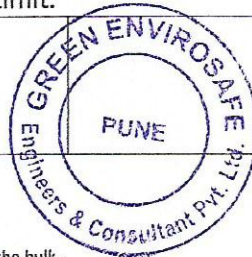
Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	32	°C	
2.	Dry Bulb Temperature	32	°C	
3.	Wet Bulb Temperature	28	°C	
4.	Relative Humidity	54	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	15.6	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	14.9	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	52.7	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	22.9	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.3	mg/M ³	≤ 04
11.	Ozone(O ₃)	<20	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.

➤ BDL – Below Detectable Limit.

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TEST CERTIFICATE

Report No: GESEC/PRO/2021-22/06/1265	Date of Report	30/06/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	21/06/2021
	Start Date of Analysis	22/06/2021
	End Date of Analysis	30/06/2021
	Sample Details	Ambient Air
	Sample Location	Near Main Gate
	Time of Sampling	10:10
Sample Collected By	Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	30	°C	
2.	Dry Bulb Temperature	30	°C	
3.	Wet Bulb Temperature	28	°C	
4.	Relative Humidity	65	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	12.8	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	16.4	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	50.6	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	20.9	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.2	mg/M ³	≤ 04
11.	Ozone(O ₃)	<20	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.

➤ BDL – Below Detectable Limit.


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SMSKL - NO.	
Inward No.	226
Date	23-7-21
Sign.	



TEST CERTIFICATE

Report No: GESEC/PRO/2021-22/06/1266	Date of Report	30/06/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	21/06/2021
	Start Date of Analysis	22/06/2021
	End Date of Analysis	30/06/2021
	Sample Details	Ambient Air
	Sample Location	Near Boiler Area
	Time of Sampling	10:20
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

Ambient Air Analysis Report

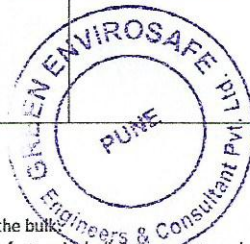
Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	30	°C	
2.	Dry Bulb Temperature	30	°C	
3.	Wet Bulb Temperature	28	°C	
4.	Relative Humidity	65	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	13.6	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	17.5	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	52.6	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	14.9	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.2	mg/M ³	≤ 04
11.	Ozone(O ₃)	<20	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.

➤ BDL – Below Detectable Limit.

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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/01/858	Date of Report	30/01/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/01/2021
	Start Date of Analysis	23/01/2021
	End Date of Analysis	30/01/2021
	Sample Location	Boiler
	Sample Details	Stack
	Time of Sampling	11:20
Sample Collected By	Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits As Per MPCB Consent
1.	Material of Stack	RCC	--	
2.	Stack Height from Roof A.R	65.0	Mtr.	
3.	Type of Stack	Round	--	
4.	Fuel Type	Bagasse	Min.	
5.	Flue Gas Temperature	460	°K	
6.	Differential Pressure	3.3	mmWG	
7.	Velocity	7.39	M/s	
8.	Dimensions of Stack	3.3	Mtr.	
9.	Stack Area	8.548	M ²	
10.	Gas Volume	147509.2	NM ³ /Hr	
11.	Particulate Matter	65.4	mg/NM ³	≤ 150
12.	Sulphur Dioxide (SO ₂)	44.1	mg/NM ³	--
13.	Sulphur Dioxide (SO ₂)	15.61	Kg/day	N.S

Remark:

- All above results are well within MPCB Limit.

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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

TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/03/1480	Date of Report	31/03/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/03/2021
	Start Date of Analysis	23/03/2021
	End Date of Analysis	31/03/2021
	Sample Location	Boiler
	Sample Details	Stack
	Time of Sampling	11:20
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits As Per MPCB Consent
1.	Material of Stack	RCC	--	
2.	Stack Height from Roof A.R	65.0	Mtr.	
3.	Type of Stack	Round	--	
4.	Fuel Type	Bagasse	Min.	
5.	Flue Gas Temperature	450	°K	
6.	Differential Pressure	3.4	mmWG	
7.	Velocity	7.42	M/s	
8.	Dimensions of Stack	3.3	Mtr.	
9.	Stack Area	8.548	M ²	
10.	Gas Volume	151382.07	NM ³ /Hr	
11.	Particulate Matter	63.4	mg/NM ³	≤ 150
12.	Sulphur Dioxide (SO ₂)	45.3	mg/NM ³	--
13.	Sulphur Dioxide (SO ₂)	16.45	Kg/day	N.S

Remark:

➤ All above results are well within MPCB Limit.

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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/01/859	Date of Report	30/01/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/01/2021
	Start Date of Analysis	23/01/2021
	End Date of Analysis	30/01/2021
	Sample Location	DG Set 750 KVA
	Sample Details	Stack
	Time of Sampling	12:20
Sample Collected By	Green EnviroSAFE Engineers & Consultant Pvt. Ltd, Pune	

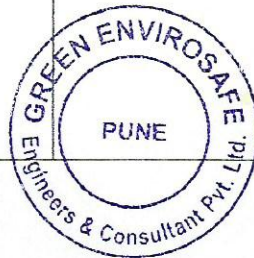
Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits As Per MPCB Consent
1.	Material of Stack	MS	--	
2.	Stack Height from Roof A.R	12	Mtr.	
3.	Type of Stack	Round	--	
4.	Fuel Type	HSD	Min.	
5.	Flue Gas Temperature	410	°K	
6.	Differential Pressure	4.5	mmWG	
7.	Velocity	8.15	M/s	
8.	Dimensions of Stack	0.2012	Mtr.	
9.	Stack Area	0.03206	M ²	
10.	Gas Volume	684.32	NM ³ /Hr	
11.	Particulate Matter	65.4	mg/NM ³	≤ 150
12.	Sulphur Dioxide (SO ₂)	50.3	mg/NM ³	--
13.	Sulphur Dioxide (SO ₂)	0.08	Kg/day	N.S

Remark:

- All above results are well within MPCB Limit.

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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/03/1481	Date of Report	31/03/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/03/2021
	Start Date of Analysis	23/03/2021
	End Date of Analysis	31/03/2021
	Sample Location	DG Set 750 KVA
	Sample Details	Stack
	Time of Sampling	12:20
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits As Per MPCB Consent
1.	Material of Stack	MS	--	
2.	Stack Height from Roof A.R	12	Mtr.	
3.	Type of Stack	Round	--	
4.	Fuel Type	HSD	Min.	
5.	Flue Gas Temperature	430	°K	
6.	Differential Pressure	4.0	mmWG	
7.	Velocity	7.87	M/s	
8.	Dimensions of Stack	0.2012	Mtr.	
9.	Stack Area	0.03106	M ²	
10.	Gas Volume	624.40	NM ³ /Hr	
11.	Particulate Matter	66.8	mg/NM ³	≤ 150
12.	Sulphur Dioxide (SO ₂)	51.4	mg/NM ³	--
13.	Sulphur Dioxide (SO ₂)	0.07	Kg/day	N.S

Remark:

➤ All above results are well within MPCB Limit.

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GESEC

TEST CERTIFICATE				
Report No: GESEC/PRO/2020-21/01/861		Date of Report		30/01/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		Date of Sampling		22/01/2021
		Sample Details		Ambient Noise
Sample Collected By		Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune		
Ambient Noise Report				
Sr. No.	Location	Result dB(A) Day	Result dB(A) Night	CPCB Standards dB(A)
1.	Near Main Gate	65.2	59.4	75/70
5.	Near mill area	70.4	65.3	
Remark- ➤ All above Noise level results are within Central Pollution Control Board Standards limit. ➤ Day/Night -75/70 dB.				
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6. MoEF approved Lab by Govt. of India. From date. 09/02/2017 to 08/02/2022.



TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/03/1484	Date of Report	31/03/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/03/2021
	Sample Details	Ambient Noise
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

Ambient Noise Report

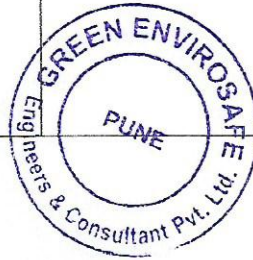
Sr. No.	Location	Result dB(A)		CPCB Standards dB(A)
		Day	Night	
1.	Near Main Gate	64.1	58.5	75/70
5.	Near Distillation area	69.8	61.3	

Remark-

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

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6. MoEF approved Lab by Govt. of India. From date. 09/02/2017 to 08/02/2022.



TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/02/855	Date of Report	27/02/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	20/02/2021
	Start Date of Analysis	21/02/2021
	End Date of Analysis	27/02/2021
	Sample Details	borewell water Compost yard
	Nature of sample	Liquid
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

Water Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Standard Method
Physical Parameter				
1.	TSS	<5	mg/lit	APHA 2540-D
2.	TDS	721	mg/lit	APHA 2540-C
Chemical Parameter				
3.	pH	7.5	--	APHA 4500-H ⁺
4.	BOD at 27°C for 3 days	BDL	mg/lit	APHA 5210 B
5.	Oil and grease	<5	mg/lit	APHA 5520 B
6.	COD	BDL	mg/lit	APHA 5220 B
7.	Sulphate	114.3	mg/lit	APHA 4500 SO ₄ ⁻ E
8.	Chloride(As Cl ⁻)	124.6	mg/lit	APHA 4500 Cl ⁻ B
9.	Carbonates as CO ₃ ²⁻	120.3	mg/lit	APHA 2320
10.	Bicarbonates as HCO ₃	75.9	mg/lit	APHA 2320
11.	EC	1021.4	uS/cm	IS : 3025 (Part 14):1984
12.	Total Hardness	202.3	mg/lit	IS : 3025 (Part 21):1983

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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/04/606	Date of Report	30/04/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/04/2021
	Start Date of Analysis	23/04/2021
	End Date of Analysis	30/04/2021
	Sample Details	borewell water Compost yard
	Nature of sample	Liquid
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

Water Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Standard Method
Physical Parameter				
1.	TSS	<5	mg/lit	APHA 2540-D
2.	TDS	713.1	mg/lit	APHA 2540-C
Chemical Parameter				
3.	pH	7.7	--	APHA 4500-H ⁺
4.	BOD at 27°C for 3 days	BDL	mg/lit	APHA 5210 B
5.	Oil and grease	<5	mg/lit	APHA 5520 B
6.	COD	BDL	mg/lit	APHA 5220 B
7.	Sulphate	125.3	mg/lit	APHA 4500 SO ₄ ⁻ E
8.	Chloride(As Cl ⁻)	115.7	mg/lit	APHA 4500 Cl ⁻ B
9.	Carbonates as CO ₃ ²⁻	122.3	mg/lit	APHA 2320
10.	Bicarbonates as HCO ₃	78.6	mg/lit	APHA 2320
11.	EC	1112.7	uS/cm	IS : 3025 (Part 14):1984
12.	Total Hardness	210.4	mg/lit	IS : 3025 (Part 21):1983

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TEST CERTIFICATE

Report No: GESEC/PRO/2021-22/06/1268	Date of Report	30/06/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	21/06/2021
	Start Date of Analysis	22/06/2021
	End Date of Analysis	30/06/2021
	Sample Details	borewell water Compost yard
	Nature of sample	Liquid
Sample Collected By	Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune	

Water Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Standard Method
Physical Parameter				
1.	TSS	<6	mg/lit	APHA 2540-D
2.	TDS	720.4	mg/lit	APHA 2540-C
Chemical Parameter				
3.	pH	7.8	--	APHA 4500-H ⁺
4.	BOD at 27°C for 3 days	BDL	mg/lit	APHA 5210 B
5.	Oil and grease	<5	mg/lit	APHA 5520 B
6.	COD	BDL	mg/lit	APHA 5220 B
7.	Sulphate	120.6	mg/lit	APHA 4500 SO ₄ ⁻ E
8.	Chloride(As Cl ⁻)	116.4	mg/lit	APHA 4500 Cl ⁻ B
9.	Carbonates as CO ₃ ²⁻	112.9	mg/lit	APHA 2320
10.	Bicarbonates as HCO ₃	80.5	mg/lit	APHA 2320
11.	EC	1011.4	uS/cm	IS : 3025 (Part 14):1984
12.	Total Hardness	210.4	mg/lit	IS : 3025 (Part 21)1983

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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/02/856		Date of Report	27/02/2021	
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		Date of Sampling	20/02/2021	
		Start Date of Analysis	21/02/2021	
		End Date of Analysis	27/02/2021	
		Sample Details	Lagoon borewell water	
		Nature of sample	Liquid	
Sample Collected By		Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune		
Water Analysis Report				
Sr. No.	Parameter	Result	Unit(s)	Standard Method
Physical Parameter				
1.	TSS	<6	mg/lit	APHA 2540-D
2.	TDS	730	mg/lit	APHA 2540-C
Chemical Parameter				
3.	pH	7.9	--	APHA 4500-H ⁺
4.	BOD at 27°C for 3 days	BDL	mg/lit	APHA 5210 B
5.	Oil and grease	<5	mg/lit	APHA 5520 B
6.	COD	BDL	mg/lit	APHA 5220 B
7.	Sulphate	122.4	mg/lit	APHA 4500 SO ₄ ^{-E}
8.	Chloride(As Cl ⁻)	124.9	mg/lit	APHA 4500 Cl ⁻ B
9.	Carbonates as CO ₃ ²⁻	110.3	mg/lit	APHA 2320
10.	Bicarbonates as HCO ₃	85.9	mg/lit	APHA 2320
11.	EC	1102.6	uS/cm	IS : 3025 (Part 14):1984
12.	Total Hardness	335.1	mg/lit	IS : 3025 (Part 21):1983
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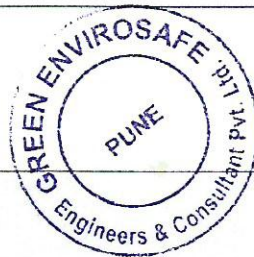
TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/04/605	Date of Report	30/04/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/04/2021
	Start Date of Analysis	23/04/2021
	End Date of Analysis	30/04/2021
	Sample Details	Lagoon borewell water
	Nature of sample	Liquid
Sample Collected By	Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune	

Water Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Standard Method
Physical Parameter				
1.	TSS	<5	mg/lit	APHA 2540-D
2.	TDS	735	mg/lit	APHA 2540-C
Chemical Parameter				
3.	pH	7.7	--	APHA 4500-H ⁺
4.	BOD at 27°C for 3 days	BDL	mg/lit	APHA 5210 B
5.	Oil and grease	<5	mg/lit	APHA 5520 B
6.	COD	BDL	mg/lit	APHA 5220 B
7.	Sulphate	128.4	mg/lit	APHA 4500 SO ₄ ⁻ E
8.	Chloride(As Cl ⁻)	124.6	mg/lit	APHA 4500 Cl ⁻ B
9.	Carbonates as CO ₃ ²⁻	105.9	mg/lit	APHA 2320
10.	Bicarbonates as HCO ₃	85.2	mg/lit	APHA 2320
11.	EC	1090.1	uS/cm	IS : 3025 (Part 14):1984
12.	Total Hardness	315.3	mg/lit	IS : 3025 (Part 21):1983

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TEST CERTIFICATE

Report No: GESEC/PRO/2021-22/06/1267	Date of Report	30/06/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	21/06/2021
	Start Date of Analysis	22/06/2021
	End Date of Analysis	30/06/2021
	Sample Details	Lagoon borewell water
	Nature of sample	Liquid
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

Water Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Standard Method
Physical Parameter				
1.	TSS	<6	mg/lit	APHA 2540-D
2.	TDS	756	mg/lit	APHA 2540-C
Chemical Parameter				
3.	pH	7.8	--	APHA 4500-H ⁺
4.	BOD at 27°C for 3 days	BDL	mg/lit	APHA 5210 B
5.	Oil and grease	<5	mg/lit	APHA 5520 B
6.	COD	BDL	mg/lit	APHA 5220 B
7.	Sulphate	116.7	mg/lit	APHA 4500 SO ₄ ⁻ E
8.	Chloride(As Cl ⁻)	120.3	mg/lit	APHA 4500 Cl ⁻ B
9.	Carbonates as CO ₃ ²⁻	101.1	mg/lit	APHA 2320
10.	Bicarbonates as HCO ₃	84.3	mg/lit	APHA 2320
11.	EC	1100.3	uS/cm	IS : 3025 (Part 14):1984
12.	Total Hardness	320.7	mg/lit	IS : 3025 (Part 21):1983

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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/03/1483	Date of Report	31/03/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/03/2021
	Start Date of Analysis	23/03/2021
	End Date of Analysis	31/03/2021
	Sample Details	Compost testing
	Nature of sample	Semi-Solids
Sample Collected By	Green EnviroSafe Engineers & Consultant Pvt. Ltd, Pune	

COMPOST SAMPLE ANALYSIS REPORT

Sr. No.	Parameter	Result	Unit(s)
1.	Moisture	22.4	%
2.	Total Organic Carbon	17.6	%
3.	Total Nitrogen as N	3.10	%
4.	Total Phosphate as P ₂ O ₅	2.65	%
5.	Total Potassium	2.0	%
6.	C/N ratio	18.9	%

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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/01/860	Date of Report	30/01/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/01/2021
	Start Date of Analysis	23/01/2021
	End Date of Analysis	30/01/2021
	Sample Details	ETP Outlet
	Nature of sample	Liquid
Sample Collected By	Green Envirosafe Engineers & Consultant Pvt. Ltd, Pune	

Water Analysis Report

Sr. No.	Parameter	Result Outlet	MPCB Limits	Unit(s)	Standard Method
Physical Parameter					
1.	TDS	750	<2100	mg/lit	APHA 2130
2.	Total Suspended Solid	20	<50	mg/lit	IS: 3025 Part-17 (R.A : 2012)
Chemical Parameter					
3.	pH	7.7	5.5-9.0	--	IS: 3025 Part-11 (R.A : 2012)
4.	BOD at 27°C for 3 days	45.1	<100	mg/lit	IS: 3025 Part-44 (R.A : 2014)
5.	Oil and grease	<5	<10	mg/lit	IS: 3025 Part-39 (R.A : 2014)
6.	COD	120	<250	mg/lit	IS: 3025 Part-58 (R.A : 2012)
7.	Chloride(As Cl ⁻)	90.8	<600	mg/lit	IS: 3025 Part-32 (R.A : 2014)
8.	Sulphate	95.6	<1000	mg/lit	IS: 3025 Part-29 (R.A : 2014)

Remark(s): All parameters are within the MPCB limit.

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Report No: GESEC/PRO/2020-21/03/1482	Date of Report	31/03/2021
Client Name and Address: Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.	Date of Sampling	22/03/2021
	Start Date of Analysis	23/03/2021
	End Date of Analysis	31/03/2021
	Sample Details	ETP Outlet
	Nature of sample	Liquid
Sample Collected By	Green EnviroSAFE Engineers & Consultant Pvt. Ltd, Pune	

Water Analysis Report

Sr. No.	Parameter	Result Outlet	MPCB Limits	Unit(s)	Standard Method
Physical Parameter					
1.	TDS	765	<2100	mg/lit	APHA 2130
2.	Total Suspended Solid	22	<50	mg/lit	IS: 3025 Part-17 (R.A : 2012)
Chemical Parameter					
3.	pH	7.4	5.5-9.0	--	IS: 3025 Part-11 (R.A : 2012)
4.	BOD at 27°C for 3 days	31.7	<100	mg/lit	IS: 3025 Part-44 (R.A : 2014)
5.	Oil and grease	<5	<10	mg/lit	IS: 3025 Part-39 (R.A : 2014)
6.	COD	123	<250	mg/lit	IS: 3025 Part-58 (R.A : 2012)
7.	Chloride(As Cl ⁻)	88.6	<600	mg/lit	IS: 3025 Part-32 (R.A : 2014)
8.	Sulphate	96.8	<1000	mg/lit	IS: 3025 Part-29 (R.A : 2014)

Remark(s): All parameters are within the MPCB limit.

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