GREEN ENVIROSAFE
Engineers & Consultant Pvt Ltd.
Survey No.-1405/06, Mayuri Residency. Shop No.-16, 2nd Floor, Sanaswadi. Tal - Shirur, Pune-412208
Mob. : 9765473780 I E-mail : geses12@gmail.com I www.greenevirosafe.co.in
CIN No.:U74900PN2013PTC149666

Recognized by Ministry of Environment Forest & Climate Change(MoEF) Govt. of India and ISO/IEC17025:2005 (NABL), ISO 9001: 2015 and OHSAS 18001:2007 Certified Company

TEST CERTIFICATE

Report No: **GESEC/2020/10/1139**	Date of Report	10.10.2020
Client Name and Address: M/S. Sarex Overseas, [A Div. Saraf Chemicals Pvt. Ltd.] Plot No: N- 128 to 132 ,MIDC Tarapur , Boisar, Palghar-401506	Date of Sampling	05.10.2020
	Start Date of Analysis	07.10.2020
	End Date of Analysis	09.10.2020
	Sample Details	Stack- Process – S8
Sample Collected By	M/S. Environment Analyst & Engineer	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits	NAAQ Standards
1	Material of Stack	FRP	--		IS 11255(Part 3) 2008 Reaffirmed 2018
2	Stack Height From G. L	20	MTR		
3	Type of Stack	Round	--		
4	Sampling Duration	30	Min		
5	Flue Gas Temperature	195	^0K		
6	Velocity	4.5	M/SEC		
7	Gas Volume	216	Nm^3/Hr		
8	Particulate matter	72.8	Mg /Nm3	150	IS 11255(Part 1) 1985, Reaffirmed 2014
9	Sulphur Dioxide (SO_2)	13.0	ppm	50	
10	HCl	0.5	Mg /Nm3	35	
11	Chlorine	0.4	Mg /Nm3	15	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL- Below Detectable Limit.

ANALYZED BY- Manoj 10/10/20

GREEN ENVIROSAFE Engineers & Consultant Pvt. Ltd. PUNE

AUTHORIZED SIGNATORY 10/10/20

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TEST CERTIFICATE

Report No: **GESEC/2020/10/1138**	Date of Report	10.10.2020
Client Name and Address: M/S. Sarex Overseas, [A Div. Saraf Chemicals Pvt. Ltd.] Plot No: N- 128 to 132 ,MIDC Tarapur , Boisar, Palghar-401506	Date of Sampling	05.10.2020
	Start Date of Analysis	07.10.2020
	End Date of Analysis	09.10.2020
	Sample Details	Stack- Process – S7
Sample Collected By	M/S. Environment Analyst & Engineer	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits	NAAQ Standards
1	Material of Stack	FRP	--		IS 11255(Part 3) 2008 Reaffirmed 2018
2	Stack Height From G. L	20	MTR		
3	Type of Stack	Round	--		
4	Sampling Duration	30	Min		
5	Flue Gas Temperature	194	^0K		
6	Velocity	4.5	M/SEC		
7	Gas Volume	218	Nm^3/Hr		
8	Particulate matter	71.5	Mg /Nm3	150	IS 11255(Part 1) 1985, Reaffirmed 2014
9	Sulphur Dioxide (SO_2)	11.0	ppm	50	
10	HCl	0.15	Mg /Nm3	35	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL- Below Detectable Limit.

ANALYZED BY-

Manoj
10/10/20

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AUTHORIZED SIGNATORY

10/10/20

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TEST CERTIFICATE

Report No: **GESEC/2020/10/1137**	Date of Report	10.10.2020
Client Name and Address: M/S. Sarex Overseas, [A Div. Saraf Chemicals Pvt. Ltd.] Plot No: N- 128 to 132 ,MIDC Tarapur , Boisar, Palghar-401506	Date of Sampling	05.10.2020
	Start Date of Analysis	07.10.2020
	End Date of Analysis	09.10.2020
	Sample Details	Stack- Process – S6
Sample Collected By	M/S. Environment Analyst & Engineer	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits	NAAQ Standards
1	Material of Stack	FRP	--		IS 11255(Part 3) 2008 Reaffirmed 2018
2	Stack Height From G. L	20	MTR		
3	Type of Stack	Round	--		
4	Sampling Duration	30	Min		
5	Flue Gas Temperature	195	^0K		
6	Velocity	4.3	M/SEC		
7	Gas Volume	210	Nm^3/Hr		
8	Particulate matter	70.0	Mg /Nm3	150	IS 11255(Part 1) 1985, Reaffirmed 2014
9	Sulphur Dioxide (SO_2)	14.0	ppm	50	
10	HCl	0.12	Mg /Nm3	35	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL- Below Detectable Limit.

ANALYZED BY-

10/10/20

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TEST CERTIFICATE

Report No: **GESEC/2020/10/1136**	Date of Report	10.10.2020
Client Name and Address: M/S. Sarex Overseas, [A Div. Saraf Chemicals Pvt. Ltd.] Plot No: N- 128 to 132 ,MIDC Tarapur , Boisar, Palghar-401506	Date of Sampling	05.10.2020
	Start Date of Analysis	07.10.2020
	End Date of Analysis	09.10.2020
	Sample Details	Stack- Process – S5
Sample Collected By	M/S. Environment Analyst & Engineer	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits	NAAQ Standards
1	Material of Stack	FRP	--		IS 11255(Part 3) 2008 Reaffirmed 2018
2	Stack Height From G. L	20	MTR		
3	Type of Stack	Round	--		
4	Sampling Duration	30	Min		
5	Flue Gas Temperature	200	^0K		
6	Velocity	4.8	M/SEC		
7	Gas Volume	220	Nm^3/Hr		
8	Particulate matter	72	Mg /Nm3	150	IS 11255(Part 1) 1985, Reaffirmed 2014
9	Sulphur Dioxide (SO_2)	15.0	ppm	50	
10	HCl	0.2	Mg /Nm3	35	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL- Below Detectable Limit.

ANALYZED BY-

10/10/20

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TEST CERTIFICATE

Report No: **GESEC/2020/10/1135**	Date of Report	10.10.2020
Client Name and Address: M/S. Sarex Overseas, [A Div. Saraf Chemicals Pvt. Ltd.] Plot No: N- 128 to 132 ,MIDC Tarapur , Boisar, Palghar-401506	Date of Sampling	05.10.2020
	Start Date of Analysis	07.10.2020
	End Date of Analysis	09.10.2020
	Sample Details	Stack- D G Set – S4
Sample Collected By	M/S. Environment Analyst & Engineer	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits	NAAQ Standards
1	Material of Stack	MS	--		IS 11255(Part 3) 2008 Reaffirmed 2018
2	Stack Height From G. L	3.0	MTR		
3	Type of Stack	Round	--		
4	Sampling Duration	30	Min		
5	Flue Gas Temperature	205	^0K		
6	Velocity	4.6	M/SEC		
7	Gas Volume	421	Nm^3/Hr		
8	Particulate matter	103	Mg /Nm3	150	IS 11255(Part 1) 1985, Reaffirmed 2014
9	Sulphur Dioxide (SO_2)	61.0	Kg/Day	275	
10	Fuel Used	HSD	-		

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL- Below Detectable Limit.

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TEST CERTIFICATE

Report No: **GESEC/2020/10/1134**	Date of Report	10.10.2020
Client Name and Address: M/S. Sarex Overseas, [A Div. Saraf Chemicals Pvt. Ltd.] Plot No: N- 128 to 132 ,MIDC Tarapur , Boisar, Palghar-401506	Date of Sampling	05.10.2020
	Start Date of Analysis	07.10.2020
	End Date of Analysis	09.10.2020
	Sample Details	Stack- D G Set – S3
Sample Collected By	M/S. Environment Analyst & Engineer	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits	NAAQ Standards
1	Material of Stack	MS	--		IS 11255(Part 3) 2008 Reaffirmed 2018
2	Stack Height From G. L	3.0	MTR		
3	Type of Stack	Round	--		
4	Sampling Duration	30	Min		
5	Flue Gas Temperature	200	^0K		
6	Velocity	3.0	M/SEC		
7	Gas Volume	450	Nm^3/Hr		
8	Particulate matter	104	Mg /Nm3	150	IS 11255(Part 1) 1985, Reaffirmed 2014
9	Sulphur Dioxide (SO_2)	62.1	Kg/Day	275	
10	Fuel Used	HSD	-		

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL- Below Detectable Limit.

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TEST CERTIFICATE

Report No: **GESEC/2020/10/1133**	Date of Report	10.10.2020
Client Name and Address: M/S. Sarex Overseas, [A Div. Saraf Chemicals Pvt. Ltd.] Plot No: N- 128 to 132 ,MIDC Tarapur , Boisar, Palghar-401506	Date of Sampling	05.10.2020
	Start Date of Analysis	07.10.2020
	End Date of Analysis	09.10.2020
	Sample Details	Stack- Boiler – S2
Sample Collected By	M/S. Environment Analyst & Engineer	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits	NAAQ Standards
1	Material of Stack	MS	--		IS 11255(Part 3) 2008 Reaffirmed 2018
2	Stack Height From G. L	32	MTR		
3	Type of Stack	Round	--		
4	Sampling Duration	30	Min		
5	Flue Gas Temperature	460	^0K		
6	Velocity	5.7	M/SEC		
7	Gas Volume	20390	Nm^3/Hr		
8	Particulate matter	123.4	Mg /Nm3	150	IS 11255(Part 1) 1985, Reaffirmed 2014
9	Sulphur Dioxide (SO_2)	66.1	Kg/Day	275	
10	Fuel Used	FO	-		

Remark-

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TEST CERTIFICATE

Report No: **GESEC/2020/10/1132**	Date of Report	10.10.2020
Client Name and Address: M/S. Sarex Overseas, [A Div. Saraf Chemicals Pvt. Ltd.] Plot No: N- 128 to 132 ,MIDC Tarapur , Boisar, Palghar-401506	Date of Sampling	05.10.2020
	Start Date of Analysis	07.10.2020
	End Date of Analysis	09.10.2020
	Sample Details	Stack- Boiler – S1
Sample Collected By	M/S. Environment Analyst & Engineer	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits	NAAQ Standards
1	Material of Stack	MS	--		IS 11255(Part 3) 2008 Reaffirmed 2018
2	Stack Height From G. L	32	MTR		
3	Type of Stack	Round	--		
4	Sampling Duration	30	Min		
5	Flue Gas Temperature	465	^0K		
6	Velocity	5.6	M/SEC		
7	Gas Volume	20815.20	Nm^3/Hr		
8	Particulate matter	124.7	Mg /Nm3	150	IS 11255(Part 1) 1985, Reaffirmed 2014
9	Sulphur Dioxide (SO_2)	68.5	Kg/Day	275	
10	Fuel Used	FO	-		

Remark-

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