



Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India.
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Gazetted By Ministry of Environment, Forest & Climate Change, Govt Of India, S. O. 857 (E), Valid upto 25.02.2023 * QCI-NABET Accredited EIA Consultancy

Lab. accredited by NABL, Valid up to 26.03.2020 ★ Certified by ISO 9001:2015 & BS OHSAS 18001 : 2007



ANALYSIS TEST REPORT FOR WATER SAMPLE

Report Date		31/05/2019		
Name of Client	M/s. NGL FINE CHEM LIMITED.			
Address of Client	F-11, MIDC, Tarapur Industrial Area, Kalode Naka, Boisar, Tal & Dist Palghar-401506.			
Order / Reference	PO/19-20/04/0523 Dated 22/04/2019			
Sample Collection Date	23/05/2019	Sample Receipt Date	23/05/2019	
Analysis Started On	24/05/2019	Analysis Completed On	31/05/2019	
ULR Number	TC708619000000747F			
Test Report No.	SEETL/WW/05/19/122			
Environmental Condition Of Lab	Temp °C	29.2	Humidity %	65
Sampling Point	ETP			
Sample Details	Outlet Effluent			
Sample Container	PVC Can & Glass Bottle	Sample Quantity	1000 ml + 1000 ml	
Sample Collected By	SEETL Representative			

Chemical Parameters

Sr. No.	Parameters	Results	Unit	MPCB Limits	Method
1.	pH	7.81	-	5.5 – 9.0	APHA-4500-H ⁺ -B
2.	COD	<4.00	mg/lit	250.00	APHA-5220-B
3.	BOD (27°C 3 day)	<1.00	mg/lit	100.00	IS 3025 (part44) :1993 (Reaffirmed 2014)
4.	TSS	<1.00	mg/lit	100.00	APHA-2540-D
5.	O & G	<0.2	mg/lit	10.00	APHA-5520-O&G
6.	Total Ammonical Nitrogen	<0.1	mg/lit	50.00	APHA-4500-NH ₃ -B-C

Note: :Test results related only to the sample tested.

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: Method : APHA 23rd Edition : 2017

Trupti Mayekar
 Checked By
 Trupti Mayekar



P. Thombare
 Authorized Signatory
 Priti Thombare

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LABORATORY : B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Betim Road, Bardez, Porvorim, Panaji-Goa-403 101.
 Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : starlabgoa@rediffmail.com • CIN No. U45209MH1998PTC-116379



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ANALYSIS TEST REPORT FOR STACK EMISSION

		Report Date	28/05/2019	
Name of Client	M/s. NGL FINE CHEM LIMITED.			
Address of Client	F-11, MIDC, Tarapur Industrial Area, Kalode Naka, Boisar, Tal & Dist Palghar-401506.			
Order / Reference	PO/19-20/04/0523 Dated 22/04/2019			
Date Of sampling	21/05/2019	Sample Receipt Date	22/05/2019	
Analysis Started on	22/05/2019	Analysis Completed On	28/05/2019	
ULR No.	TC708619000000729F			
Report No	SEETL/ST/05/19/348			
Sample Collected By	SEETL Representative			
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%)	49

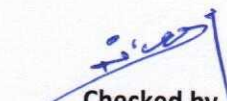
DETAILS OF STACK

Attached To	I-Boiler (3 Ton/hr)
Shape	Round
Diameter (mm)	900 mm
Height From Ground Level (Mtr)	30 Mtr
Temperature (°C)	142
Velocity of Flue Gases (m/sec)	6.91
Volume of Flue Gases (m ³ /hour)	15817.4
Type of Fuel	F.O.

POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	67	mg/Nm ³	150.00	IS 11255 Part 1-1985 Reaff.2014
SO ₂	12	Kg/d	25.00	IS 11255 Part 2-1985 Reaff.2014

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.


Checked by
Nilesh Naik

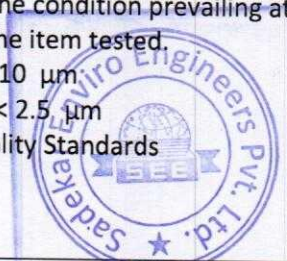



Authorized Signatory
Priti Thombare


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ANALYSIS TEST REPORT FOR AMBIENT AIR QUALITY MONITORING REPORT

		Report Date	28/05/2019	
Name of Client	M/s. NGL FINE CHEM LIMITED.			
Address of Client	F-11, MIDC, Tarapur Industrial Area, Kalode Naka, Boisar, Tal & Dist Palghar-401506.			
Order / Reference	PO/19-20/04/0523 Dated 22/04/2019			
Date Of sampling	21/05/2019	Sample Receipt Date	22/05/2019	
Analysis Started on	22/05/2019	Analysis Completed On	28/05/2019	
ULR No.	TC708619000000727F			
Report No	SEETL/AR/05/19/345			
Sample Collected By	SEETL Representative			
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%)	49
AMBIENT AIR STATION				
Location of H.V.S.	Near Main Gate			
Lateral Distance	5.0 Meter from Main Gate			
Receptor Distance	1.5 Meters From Ground Level			
Ambient Temperature	34	Humidity	70	
Wind Speed (km/hr)	12	Wind Direction (deg)	SSE,155.75	
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)			
POLLUTIONAL PARAMETERS				
Parameters	Result	Units	NAAQS Limits	Method
PM ₁₀	72	µg/m ³	100.00	IS 5182 (Part 23): 2006 (RA 2012)
PM _{2.5}	37	µg/m ³	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO ₂	19	µg/m ³	80.00	IS 5182 (Part 2): 2001 (RA 2012)
NO _x	28	µg/m ³	80.00	IS 5182 (Part 6): 2006 (RA 2012)
Ozone (O ₃)	24	µg/m ³	180.00	Method No. 401 Based on Methods of Air Sampling and analysis-3 rd edition by J P Lodge
Lead (Pb)	<0.1	µg/m ³	1.00	NDIR IS 5182 (Part 10) C : 1999 (RA 2014)
Carbon Monoxide(CO)	1.1	mg/m ³	4.00	EPA compendium method IO 3.5
Ammonia (NH ₃)	<20	µg/m ³	400.00	IS 5182 (Part 11) :2006 (RA 2012)
Arsenic (As)	<5	ng/m ³	6.00	EPA compendium method IO 3.5
Nickel (Ni)	<5	ng/m ³	20.00	EPA compendium method IO 3.5
Benzene (C ₆ H ₆)	<1	µg/m ³	5.00	IS 5182 (Part IX): 1974
Benzo(a)Pyrene	<0.025	ng/m ³	1.00	IS 5182 (Part 12): 2004 (RA 2014)
NOTE: 1) The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested. 3) PM ₁₀ -Particulate Matter of size < 10 µm 4) PM _{2.5} - Particulate Matter of size < 2.5 µm 5) NAAQS-National Ambient Air Quality Standards				
Checked by Nilesh Naik		 Authorized Signatory Priti Thombare		

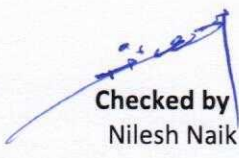


ANALYSIS TEST REPORT FOR AMBIENT AIR QUALITY MONITORING REPORT

		Report Date	28/05/2019	
Name of Client	M/s. NGL FINE CHEM LIMITED.			
Address of Client	F-11, MIDC, Tarapur Industrial Area, Kalode Naka, Boisar, Tal & Dist Palghar-401506.			
Order / Reference	PO/19-20/04/0523 Dated 22/04/2019			
Date Of sampling	21/05/2019	Sample Receipt Date	22/05/2019	
Analysis Started on	22/05/2019	Analysis Completed On	28/05/2019	
ULR No.	TC708619000000728F			
Report No	SEETL/AR/05/19/346			
Sample Collected By	SEETL Representative			
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%)	49
AMBIENT AIR STATION				
Location of H.V.S.	Near Boiler House			
Lateral Distance	5.0 Meter from Boiler House			
Receptor Distance	1.5 Meters From Ground Level			
Ambient Temperature	34	Humidity	70	
Wind Speed (km/hr)*	12	Wind Direction (deg)	SSE,155.75	
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)			
POLLUTIONAL PARAMETERS				
Parameters	Result	Units	NAAQS Limits	Method
PM ₁₀	83	µg/m ³	100.00	IS 5182 (Part 23): 2006 (RA 2012)
PM _{2.5}	44	µg/m ³	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO ₂	23	µg/m ³	80.00	IS 5182 (Part 2): 2001 (RA 2012)
NO _x	35	µg/m ³	80.00	IS 5182 (Part 6): 2006 (RA 2012)
Ozone (O ₃)	29	µg/m ³	180.00	Method No. 401 Based on Methods of Air Sampling and analysis-3 rd edition by J P Lodge
Lead (Pb)	<0.1	µg/m ³	1.00	NDIR IS 5182 (Part 10) C : 1999 (RA 2014)
Carbon Monoxide(CO)	1.3	mg/m ³	4.00	EPA compendium method IO 3.5
Ammonia (NH ₃)	<20	µg/m ³	400.00	IS 5182 (Part 11) :2006 (RA 2012)
Arsenic (As)	<5	ng/m ³	6.00	EPA compendium method IO 3.5
Nickel (Ni)	<5	ng/m ³	20.00	EPA compendium method IO 3.5
Benzene (C ₆ H ₆)	<1	µg/m ³	5.00	IS 5182 (Part IX): 1974
Benzo(a)Pyrene	<0.025	ng/m ³	1.00	IS 5182 (Part 12): 2004 (RA 2014)
NOTE: 1) The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested. 3) PM ₁₀ -Particulate Matter of size < 10 µm 4) PM _{2.5} - Particulate Matter of size < 2.5 µm 5) NAAQS-National Ambient Air Quality Standards				
Checked by Nilesh Naik		 Authorized Signatory Priti Thombare		

ANALYSIS TEST REPORT FOR STACK EMISSION

		Report Date	28/05/2019	
Name of Client	M/s. NGL FINE CHEM LIMITED.			
Address of Client	F-11, MIDC, Tarapur Industrial Area, Kalode Naka, Boisar, Tal & Dist Palghar-401506.			
Order / Reference	PO/19-20/04/0523 Dated 22/04/2019			
Date Of sampling	21/05/2019	Sample Receipt Date	22/05/2019	
Analysis Started on	22/05/2019	Analysis Completed On	28/05/2019	
ULR No.	TC708619000000730F			
Report No	SEETL/ST/05/19/349			
Sample Collected By	SEETL Representative			
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%)	49
DETAILS OF STACK				
Attached To	II-Thermopack (4 Lac kcal/hr)			
Shape	Round			
Diameter (mm)	700 mm			
Height From Ground Level (Mtr)	30 Mtr			
Temperature (°C)	167			
Velocity of Flue Gases (m/sec)	6.13			
Volume of Flue Gases (m ³ /hour)	8488.46			
Type of Fuel	F.O.			
POLLUTIONAL PARAMETERS				
Parameters	Result	Units	MPCB Limit	Method
TPM	58	mg/Nm ³	150.00	IS 11255 Part 1-1985 Reaff.2014
SO ₂	9	Kg/d	25.00	IS 11255 Part 2-1985 Reaff.2014
<p>NOTE: 1) The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested.</p>				
 Checked by Nilesch Naik				 Authorized Signatory Priti Thombare

ANALYSIS TEST REPORT FOR STACK EMISSION

		Report Date	28/05/2019			
Name of Client	M/s. NGL FINE CHEM LIMITED.					
Address of Client	F-11, MIDC, Tarapur Industrial Area, Kalode Naka, Boisar, Tal & Dist Palghar-401506.					
Order / Reference	PO/19-20/04/0523 Dated 22/04/2019					
Date Of sampling	21/05/2019	Sample Receipt Date	22/05/2019			
Analysis Started on	22/05/2019	Analysis Completed On	28/05/2019			
ULR No.	TC708619000000731F					
Report No	SEETL/ST/05/19/350-351-352					
Sample Collected By	SEETL Representative					
Environmental Condition of Lab	Temperature(°C)		25	Humidity (%)	49	
DETAILS OF STACK						
Attached To	III-DG Set I-250 KVA	IV-DG Set II-500 KVA	V-DG Set III-500 KVA			
Shape	Round	Round	Round			
Diameter (mm)	150 mm	150 mm	150 mm			
Height From Ground Level (Mtr)	3 Mtr	3 Mtr	3 Mtr			
Temperature (°C)	174	183	189			
Velocity of Flue Gases (m/sec)	9.07	10.02	10.17			
Volume of Flue Gases (m³/hour)	576.71	637.12	646.66			
Type of Fuel	HSD	HSD	HSD			
POLLUTIONAL PARAMETERS						
Parameters	Result			Units	MPCB Limit	Method
	I	II	III			
TPM	42	47	50	mg/Nm ³	150.00	IS 11255 Part 1-1985 Reaff.2014
SO ₂	5	9	12	Kg/d	25.00	IS 11255 Part 2-1985 Reaff.2014
<p>NOTE: 1) The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested.</p>						
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ANALYSIS TEST REPORT FOR STACK EMISSION

		Report Date	28/05/2019	
Name of Client	M/s. NGL FINE CHEM LIMITED.			
Address of Client	F-11, MIDC, Tarapur Industrial Area, Kalode Naka, Boisar, Tal & Dist Palghar-401506.			
Order / Reference	PO/19-20/04/0523 Dated 22/04/2019			
Date Of sampling	21/05/2019	Sample Receipt Date	22/05/2019	
Analysis Started on	22/05/2019	Analysis Completed On	28/05/2019	
Report No	SEETL/ST/05/19/353-354			
Sample Collected By	SEETL Representative			
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%)	49


DETAILS OF STACK

Attached To	VI-Scrubber I	VII-Scrubber II
Shape	Round	Round
Diameter (mm)	150 mm	150 mm
Height From Ground Level (Mtr)	12 Mtr	12 Mtr
Temperature (°C)	36	38
Velocity of Flue Gases (m/sec)	6.48	6.59
Volume of Flue Gases (m ³ /hour)	412.03	419.02
Type of Fuel	-	-


POLLUTIONAL PARAMETERS

Parameters	Result		Units	MPCB Limit	Method
	I	II			
*Acid Mist	13	17	mg/Nm ³	35.00	Lab SOP No. SEETL/LD/SOP/AA-31

- NOTE:** 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.
3) * This parameter is not included in NABL scope


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ANALYSIS TEST REPORT FOR NOISE LEVEL MONITORING

		Report Date	28/05/2019
Name of Client	M/s. NGL FINE CHEM LIMITED.		
Address of Client	F-11, MIDC, Tarapur Industrial Area, Kalode Naka, Boisar, Tal & Dist Palghar-401506.		
Order / Reference	PO/19-20/04/0523 Dated 22/04/2019		
Date Of Monitoring	21/05/2019	Time of Sampling	Day/Night
ULR No.	TC708619000000732F		
Report No.	SEETL/N/05/19/355-370		
Monitored By	SEETL Representative		

DAY TIME NOISE LEVEL MONITORING

Sampling Location (From 1 meter away)	Report No.	Noise Levels in dB(A) Leq* (Day Time)	Report No.	Noise Limit in dB (A) Leq* (Night Time)
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AMBIENT NOISE LEVEL MONITORING

Near Main Gate	SEETL/N/05/19/355	71.8	SEETL/N/05/19/363	68.6
Near DG Area	SEETL/N/05/19/356	72.7	SEETL/N/05/19/364	67.9
Near Boiler Area	SEETL/N/05/19/357	71.2	SEETL/N/05/19/365	69.0
Near Production Area	SEETL/N/05/19/358	70.6	SEETL/N/05/19/366	69.1
Near GMP Area	SEETL/N/05/19/359	73.5	SEETL/N/05/19/367	67.6
Near Admin Area	SEETL/N/05/19/360	72.3	SEETL/N/05/19/368	56.5
Near Formulation Area	SEETL/N/05/19/361	71.9	SEETL/N/05/19/369	66.6
Near Chilled Water Plant	SEETL/N/05/19/362	72.6	SEETL/N/05/19/370	70.0

Method:-IS:9989-1981 (RA 2001)

- NOTE:** 1) Limit During Day time < 75. (Day time shall mean from 6.00 am to 10.00 pm.)
 2) Limit During Night time < 70. (Night time shall mean from 10.00 pm to 6.00 am.)
 3) *As per Factory Act Rules ,1963 scheduled XXIV Noise Limit 90dB(A) *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
 4) A "decibel" is a unit in which noise is measured.
 5) "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human hear.
 6) Leq: It is the energy mean of the noise level over a specified period.

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ANALYSIS TEST REPORT FOR WORKPLACE AIR QUALITY

		Report Date	28/05/2019	
Name of Client	M/s. NGL FINE CHEM LIMITED.			
Address of Client	F-11, MIDC, Tarapur Industrial Area, Kalode Naka, Boisar, Tal & Dist Palghar-401506.			
Order / Reference	PO/19-20/04/0523 Dated 22/04/2019			
Date Of sampling	21/05/2019	Sample Receipt Date	22/05/2019	
Analysis Started on	22/05/2019	Analysis Completed On	28/05/2019	
Report No	SEETL/WR/05/19/347			
Sample Collected By	SEETL Representative			
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%)	49

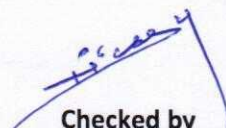
WORKPLACE AIR STATION

Sampling Location	Production Area.
Receptor Distance	1.5 Meters From Ground Level
Ambient Temperature*	34
Humidity*	70
Wind Speed (km/hr)*	12
Wind Direction (deg)*	SSE,155.75

POLLUTIONAL PARAMETERS

Parameters	Result	Units	OSHA Limits	Method
Total Dust	8	mg/m ³	10.00	IS 5182 (Part 23): 2006 (RA 2012)
SO ₂	3	mg/m ³	13.00	IS 5182 (Part 2): 2001 (RA 2012)
NO _x	6	mg/m ³	9.00	IS 5182 (Part 6): 2006 (RA 2012)
*VOC (Nitrobenzene)	<1	ppm	1.00	EPA Method TO-17:1999

- NOTE:** 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.
3) *This parameter is not included in NABL scope.


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