



# 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.  
☎ : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

SAVE WATER  
SAVE LIFE

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 9001:2008 & BS OHSAS 18001 : 2007

## ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING REPORT

Report No	SEETL/AR/06/18/685	Date	05/07/2018		
Name of Client	M/s. Galaxy Surfactants Limited				
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin : 401506, Maharashtra.				
Sample Collected By	SEETL Representative	Environmental Condition of Lab			
Date Of sampling	30/06/2018	Temperature(°C)*	24.8	Humidity (%)*	48
Order / Reference	PO No. 4500088565 Dated-30.07.2018				
<b>AMBIENT AIR STATION</b>					
Location of H.V.S.	Near Main Security Gate				
Lateral Distance	5.0 Meter from Main Security Gate				
Receptor Distance	1.5 Meters From Ground Level				
Ambient Temperature	29°C	Humidity	76 %		
Wind Speed (km/hr)*	17	Wind Direction (deg )*	SSW, 196°		
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)				
<b>POLLUTIONAL PARAMETERS</b>					
Parameters	Result	Unit	NAAQS Limits	Method	
PM <sub>2.5</sub>	31	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011	
PM <sub>10</sub>	59	µg/m <sup>3</sup>	100.00	IS 5182 ( Part 23): 2006 ( RA 2012)	
SO <sub>2</sub>	17	µg/m <sup>3</sup>	80.00	IS 5182 (Part 2): 2001 ( RA 2012)	
NO <sub>x</sub>	22	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 ( RA 2012)	
Ammonia (NH <sub>3</sub> )	< 20	µg/m <sup>3</sup>	400.00	Method No. 401 Based on Methods of Air Sampling and analysis-3 <sup>rd</sup> edition by J P Lodge.	
CO	< 1	mg/m <sup>3</sup>	04.00	NDIR IS 5182 (Part 10) C : 1999 ( RA 2014)	
Lead as Pb	< 0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5	
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1	µg/m <sup>3</sup>	5.00*	IS 5182 (Part 11) :2006 ( RA 2012)	
Arsenic(As)	< 5	ng/m <sup>3</sup>	6.00*	EPA compendium method IO 3.5	
Nickel(Ni)	< 5	ng/m <sup>3</sup>	20.00*	EPA compendium method IO 3.5	
Ozone (O <sub>3</sub> )	30	µg/m <sup>3</sup>	180.00	IS 5182 (Part IX): 1974	
Benzo(a)Pyrene	< 0.025	ng/m <sup>3</sup>	1.00*	IS 5182 (Part 12): 2004 ( RA 2014)	
<b>NOTE:</b> 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 <sub>10</sub> -Particulate Matter of size < 10 µm 4) PM <sub>2.5</sub> - Particulate Matter of size < 2.5 µm 5) NAAQS-National Ambient Air Quality Standards					
			 <b>Authorized Signatory</b> Priti Thombare		

**BRANCH OFF.** : 310, Dempo Towers, EDC Patto, Panaji-403 001. Goa State, India ☎ : (0832) 2437048 / 2437164  
E-mail : sadekarenviro@rediffmail.com • Website : www.sadekarenviro.com

**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





## ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING REPORT

Report No	SEETL/AR/09/18/623	Date	04/10/2018		
Name of Client	M/s. Galaxy Surfactants Limited				
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin : 401506, Maharashtra.				
Sample Collected By	SEETL Representative	Environmental Condition of Lab			
Date Of sampling	29/09/2018	Temperature(°C)*	24.8	Humidity (%)*	48
Order / Reference	PO No. 4500088565 Dated-30.07.2018				

### AMBIENT AIR STATION

Location of H.V.S.	Near Main Security Gate			
Lateral Distance	5.0 Meter from Main Security Gate			
Receptor Distance	1.5 Meters From Ground Level			
Ambient Temperature*	28°C	Humidity*	59 %	
Wind Speed (km/hr)*	12	Wind Direction (deg)*	SE, 131°	
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)			

### POLLUTIONAL PARAMETERS

Parameters	Result	Unit	NAAQS Limits	Method
PM <sub>2.5</sub>	38	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
PM <sub>10</sub>	67	µg/m <sup>3</sup>	100.00	IS 5182 ( Part 23): 2006 ( RA 2012)
SO <sub>2</sub>	21	µg/m <sup>3</sup>	80.00	IS 5182 (Part 2): 2001 ( RA 2012)
NO <sub>x</sub>	24	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 ( RA 2012)
Ammonia (NH <sub>3</sub> )	< 20	µg/m <sup>3</sup>	400.00	Method No. 401 Based on Methods of Air Sampling and analysis-3 <sup>rd</sup> edition by J P Lodge.
CO	< 1	mg/m <sup>3</sup>	04.00	NDIR IS 5182 (Part 10) C : 1999 ( RA 2014)
Lead as Pb	< 0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1	µg/m <sup>3</sup>	5.00*	IS 5182 (Part 11) :2006 ( RA 2012)
Arsenic(As)	< 5	ng/m <sup>3</sup>	6.00*	EPA compendium method IO 3.5
Nickel(Ni)	< 5	ng/m <sup>3</sup>	20.00*	EPA compendium method IO 3.5
Ozone (O <sub>3</sub> )	24	µg/m <sup>3</sup>	180.00	IS 5182 (Part IX): 1974
Benzo(a)Pyrene	< 0.025	ng/m <sup>3</sup>	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<sub>10</sub>-Particulate Matter of size < 10 µm
- 4) PM<sub>2.5</sub> - Particulate Matter of size < 2.5 µm
- 5) NAAQS-National Ambient Air Quality Standards
- 6) \*This parameter is not included in NABL scope.

Checked by  
Nilesh Naik



Authorized Signatory  
Priti Thombare



## ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING REPORT

Report No	SEETL/AR/12/18/347	Date	25/12/2018		
ULR No.	TC708618000000464F				
Name of Client	M/s. Galaxy Surfactants Limited				
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin : 401506, Maharashtra.				
Sample Collected By	SEETL Representative	Environmental Condition of Lab			
Date Of sampling	19/12/2018	Temperature(°C)	25.0	Humidity (%)	47
Order / Reference	PO No. 4500088565 Dated-30.07.2018				

### AMBIENT AIR STATION

Location of H.V.S.	Near Main Security Gate				
Lateral Distance	5.0 Meter from Main Security Gate				
Receptor Distance	1.5 Meters From Ground Level				
Ambient Temperature*	27°C	Humidity*	69 %		
Wind Speed (km/hr)*	10	Wind Direction (deg)*	ESE, 111°		
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)				

### POLLUTIONAL PARAMETERS

Parameters	Result	Unit	NAAQS Limits	Method
PM <sub>2.5</sub>	42	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
PM <sub>10</sub>	75	µg/m <sup>3</sup>	100.00	IS 5182 ( Part 23): 2006 ( RA 2012)
SO <sub>2</sub>	24	µg/m <sup>3</sup>	80.00	IS 5182 (Part 2): 2001 ( RA 2012)
NO <sub>x</sub>	36	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 ( RA 2012)
Ammonia (NH <sub>3</sub> )	< 20	µg/m <sup>3</sup>	400.00	Method No. 401 Based on Methods of Air Sampling and analysis-3 <sup>rd</sup> edition by J P Lodge.
CO	1.6	mg/m <sup>3</sup>	04.00	NDIR IS 5182 (Part 10) C : 1999 ( RA 2014)
Lead as Pb	< 0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 ( RA 2012)
Arsenic(As)	< 5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5
Nickel(Ni)	< 5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5
Ozone (O <sub>3</sub> )	22	µg/m <sup>3</sup>	180.00	IS 5182 (Part IX): 1974
Benzo(a)Pyrene	< 0.025	ng/m <sup>3</sup>	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.

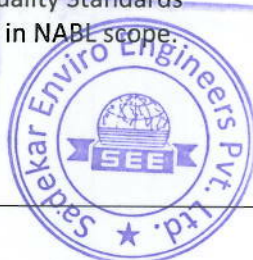
3) PM<sub>10</sub>-Particulate Matter of size < 10 µm

4) PM<sub>2.5</sub> - Particulate Matter of size < 2.5 µm

5) NAAQS-National Ambient Air Quality Standards

6) \*This parameter is not included in NABL scope.

Checked by  
Nilesh Naik



Authorized Signatory  
Priti Thombare



## ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING REPORT

Report No	SEETL/AR/03/19/703	Date	03/04/2019		
ULR No.	TC708619000000478F				
Name of Client	M/s. Galaxy Surfactants Limited				
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin : 401506, Maharashtra.				
Sample Collected By	SEETL Representative	Environmental Condition of Lab			
Date of sampling	27/03/2019	Temperature(°C)	25	Humidity (%)	45
Order / Reference	PO No. 4500088565 Dated-30.07.2018				

### AMBIENT AIR STATION

Location of H.V.S.	Near Main Security Gate		
Lateral Distance	5.0 Meter from Main Security Gate		
Receptor Distance	1.5 Meters From Ground Level		
Ambient Temperature*	38 <sup>0</sup> C	Humidity*	26 %
Wind Speed (km/hr)*	16	Wind Direction (deg)*	N,352 <sup>0</sup>
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)		

### POLLUTIONAL PARAMETERS

Parameters	Result	Unit	NAAQS Limits	Method
PM <sub>2.5</sub>	39	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
PM <sub>10</sub>	71	µg/m <sup>3</sup>	100.00	IS 5182 ( Part 23): 2006 ( RA 2012)
SO <sub>2</sub>	18	µg/m <sup>3</sup>	80.00	IS 5182 (Part 2): 2001 ( RA 2012)
NO <sub>x</sub>	32	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 ( RA 2012)
Ammonia (NH <sub>3</sub> )	< 20	µg/m <sup>3</sup>	400.00	Method No. 401 Based on Methods of Air Sampling and analysis-3 <sup>rd</sup> edition by J P Lodge.
CO	< 1	mg/m <sup>3</sup>	04.00	NDIR IS 5182 (Part 10) C : 1999 ( RA 2014)
Lead as Pb	< 0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 ( RA 2012)
Arsenic(As)	< 5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5
Nickel(Ni)	< 5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5
Ozone (O <sub>3</sub> )	18	µg/m <sup>3</sup>	180.00	IS 5182 (Part IX): 1974
Benzo(a)Pyrene	< 0.025	ng/m <sup>3</sup>	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<sub>10</sub>-Particulate Matter of size < 10 µm  
 4) PM<sub>2.5</sub> - Particulate Matter of size < 2.5 µm  
 5) NAAQS-National Ambient Air Quality Standards  
 6) \*This parameter is not included in NABL scope.



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Nilesh Naik