



*Global Supplier to Global Brands*

## Galaxy Surfactants Ltd.

31.01.2022

Environment Department  
Room no.217, 2<sup>nd</sup> Floor,  
Mantralaya Annex,  
Mumbai 400032.

Dear Sir,

**Subject: Compliance report of Environment Clearance**

**Ref : SEIAA Letter No.: SEIAA-EC-0000000268 dated 04.05.2018**

Please find attached half yearly compliance report from July 2021 to December 2021, in compliance of Condition of our Environment Clearance letter dated 04.05.2018.

Kindly acknowledge receipt of this letter with its enclosure.

Thanking you,  
Cordially yours,

For Galaxy Surfactants Limited

Yogesh Sankhe  
Manager- Safety Health & Environment

Encl: As above

- CC : 1. Maharashtra Pollution Control Board  
Sub Regional Office Tarapur-I, MIDC office compound  
Tarapur, Post : TAPS, Boisar (W), Tal.Dist. Palghar 401504
2. Ministry of Environment and Forest, Climate Change  
Regional Office (WCZ), Ground Floor,  
East Wing, New Secretariat Building, Civil Line, Nagpur-440001  
through email id: ecompliance-mh@gov.in
3. Central Pollution Control Board  
Parivesh Bhavan, Opp. VMC Ward Office No.10, Subhanpura  
Vadodara – 390023, Gujarat

Factory Address: Plot No.G-59,  
Tarapur MIDC, Taluka Palghar,  
Post, Boisar-401 506  
Maharashtra

Regd. Office:  
C-49/2, TTC Industrial Area, Pawne,  
Navi Mumbai – 400 703, India.  
CIN No. U39877MH1986PLC039877  
Ph : +91-22-65134444 / 27616666  
Fax : +91-22-27615883 / 27615886  
E-mail : galaxy@galaxysurfactants.com  
Website : www.galaxysurfactants.com

**COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE**  
(Period: July 2021 – December 2021)

**Project** : Galaxy Surfactants Ltd., Project of Manufacturing of Surfactants and Specialty Chemicals at Plot No.G-59, Tarapur MIDC, Taluka Palghar

**Reference:** Environment clearance vide letter no.SEIAA-EC-0000000268 dated 04.05.2018.

**Products** :

Sr. No.	Name of the product	Existing Production (MT/Month)	Proposed Production (MT/Month) which is under progress. The production is yet to be started.
1	Fatty Alcohol Sulphate/Sulfosuccinate (powder/needles)- on 100% basis	100	
2	Fatty Alcohol Sulphate(Colour Needles)- on 100% basis	200	
3	Fatty Alcohol Sulphate (Liquid)- on 100% basis	48	
4	Active preparations including anionic, cationic, amphoteric, non ionic surfactants such as fatty alcohol sulphates/Quaternary ammonium compounds/alkanol amides/Glycinates/Amineoxides/betaines/Quaternary ammonium compounds and surfactant blends		2083
5	Speciality chemicals such as polymeric conditioners, polyquats, preservatives, fatty acid esters		416
6	Sunscreens		625
7	Rec-Acetic Acid (on 100% basis)		70
8	Rec. Methanol		15
9	HCl Solution (Approx.30%)		175
10	Sodium bisulfite solution/Sodium bisulfate/Sodium sulphite (Approx 30%)		250
11	Sodium Chloride (on 100% basis)		25

**Note:** The expansion project as per EC for the proposed production is under progress.

**Status of compliance of the Conditions stipulated in our Environment Clearance dated 04.05.2018.**

Sr.No.	Conditions	Compliance Status
I	The Environment Clearance is issued subject to condition that PP to achieve Zero Liquid Discharge; PP shall ensure that there is no increase in the effluent load to CETP.	1 No trade effluent discharge in respect of existing production. 2. We will abide by the above referred EC condition for proposed project which is under progress.
II	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	No additional land acquired.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	We have separate SHE department to take care of health and safety of the people working in the unit. We conduct monthly meeting monitoring health and safety of the people. Half yearly health checkup of workers is being carried out on regular basis and the records are maintained as per Factories Act. Half yearly Health checkup completed in the month of July 2021. Next Health checkup is due in January 2022
IV	Proper Housekeeping programmers shall be implemented.	We are maintaining proper housekeeping within premises.
V	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of the operation and shall not be restarted until the desired efficiency has been achieve.	In case of failure of pollution control Equipment, the complete unit is being shut down and resumed only after the said equipment is rectified. We assure that the same practice will be followed in future also.
VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollution from DG Set (If applicable).	Existing :- Complied Expansion:- Construction work is under progress.
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	We have received EC for the proposed project on 4.5.2018.  The project is under progress and we will comply to this condition.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.	Separate arrangements are made for effluent and storm water.
IX	Periodic Monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	The project is under progress and it will be a ZLD Unit. Entire effluent will be reused by recycling through ETP with Primary, Secondary & Tertiary treatment with RO & MEE & ATFD.



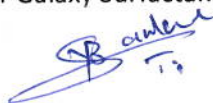
		We will not use ground water in our process.
X	Noise Level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.	Noise level maintained as per standards. The operating personnel use protective equipment like earmuff and earplug.
XI	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules 1989.	The overall noise levels in and around the plant kept well within the standards. Proper noise barriers, acoustic enclosures are provided on noise generating equipment like DG Set, blowers etc. to minimize noise.
XII	Green belt shall be developed and maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Dept.	We have received EC for the proposed project on 4.5.2018. The project is under progress and this condition will be complied by March 2022
XIII	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.	Adequate safety measures taken within plant boundary. Leak detection devices will be installed at strategic places.
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	We have separate SHE department to take care of health and safety of the people working in the unit. We conduct monthly meeting monitoring health and safety of the people. Half yearly health checkup of workers are done on regular basis and the records are maintained as per Factories Act. Half yearly Health checkup completed in the month of July 2021. Next Health checkup is due in January 2022
XV	The Company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Fire prevention and life safety measures are installed in the premises. Jumpers and sprinklers installed. Complied.
XVI	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from MPCB shall be obtained for collections / treatment / storage / disposal of hazardous waste.	We have complied with the rules and regulations with regard to handling and disposal of Hazardous Wastes in accordance with the rules. MPCB has authorized us for disposal of Hazardous Waste to authorized vendors.  We have obtained membership of Mumbai Waste Management Limited (MWML)

		We maintain the record for hazardous waste generation & disposal in Form 3 and submit the Annual return in Form 4 to MPCB.
XVII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.	On-site emergency management plan prepared. Regular mock drills are carried out.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Environment management cell is set up.
XIX	Separate funds shall be allocated for implementation of environmental protection measures / EMP along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year wise expenditure should reported to the MPCB and this department.	<p>We have received EC for the proposed project on 4.5.2018.</p> <p>We have budgeted separate funds for environment protection measures. The details of the above said funds are given below in rupees</p> <ol style="list-style-type: none"> <li>1. ETP (Civil costs of Aeration tanks, blowers, MBR, etc. ) = 1.94 Cr</li> <li>2. MEE+ATFD = 1.2 Cr</li> <li>3. RO = 0.6 Cr</li> <li>4. Sludge dryer = 0.3 Cr</li> <li>5. Chimney = 0.2 Cr</li> <li>6. Scrubber = 0.75 Cr</li> </ol> <p>Out of the above budgeted funds, we have utilized Rs.4,99,41,068/- towards procurement of all the ETP and scrubber system as on 31.12.2021.</p>
XX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a> .	Complied.
XXI	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard and soft copies to the MPCB and this department on 1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year.	Half yearly Reports are submitted.



XXII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Noted and will be complied whenever suggestions are received.  EC copy published on website of the Company.
XXIII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	We have received EC for the proposed project on 4.5.2018.  Status of compliance of the stipulated EC conditions, including results of monitored data is being uploaded on our website on regular basis.  The Criteria Pollutant Levels are displayed on the main gate of the Company.  Please refer enclosed Annexure A for latest Stack Emission reports.
XXIV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC Conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Half yearly Reports are submitted.
XXV	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form – V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the Company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by email.	Environment statement for the year 2020-2021 submitted online with the MPCB website on 28.9.2021.  Copy of Environment statement will be displayed on the Company website along with status of EC Conditions and will also be sent to Regional Officers of MoEF by email.

For Galaxy Surfactants Limited



Yogesh Sankhe  
Manager – Safety Health & Environment

**SIX MONTHLY COMPLIANCE REPORT**  
**PART I: DATA SHEET**  
**(Period: July 2021 – December 2021)**

**Project** : Galaxy Surfactants Ltd., Project of Manufacturing of Surfactants and Specialty Chemicals at Plot No.G-59, Tarapur MIDC, Taluka Palghar

**Reference:** Environment clearance vide letter no.SEIAA-EC-0000000268 dated 04.05.2018.

Sr.No.	Particulars	Reply/Compliance
1	Project Type: River-valley/Mining/Industry/Thermal/Nuclear/other (specify)	Industry
2	Name of the project	Expansion project
3	Clearance Letter(S)/OM No. and date	Environment clearance vide letter no.SEIAA-EC-0000000268 dated 04.05.2018
4	Location	
	a. District(s)	Palghar
	b. State(s)	Maharashtra
	c. Latitude/Longitude	Latitude 19.7913 & Longitude 72.7363
5	Address for correspondence	
	a. Address of the Concerned Project Chief Engineer (With Pin Code & Telephone/Telex/Fax Numbers)	Shri Vardhan Nuwal Plot No.V-23, MIDC & Plot No.1, CIDCO, Taloja MIDC Area, Tal. Panvel, Dist. Raigad, Maharashtra 410208. M.No.7700915445 Office Tel.No.91-22-39215300
6	Salient Features	
	a. of the project	Expansion for new products
	b. of the environmental management plans	ZLD ETP with Primary, Secondary & Tertiary treatment with RO & MEE & ATFD
7	Breakup of the project area	
	a. Other	1. Amenity Block - 388.22 SQ.M. 2. Dock Leveler - 24.62 SQ.M. 3. Drum Shed - 162.45 SQ.M. 4. Drum Yard & Scrap Yard - 100.0 SQ.M. 5. ETP - 1109.01 SQ.M. 6. FO Tank - 47.50 SQ.M. 7. Plant Building - 5842.46 SQ.M. 8. Pump Room - 66.31 SQ.M. 9. Unloading Shed - 163.16 SQ.M. 10. Utility Building - 716.78 SQ.M.

		Total Proposed Area – 8620.51 SQ.M.
8	Breakup of the project affected population with enumeration of those losing houses/dwelling units only agricultural land only Both dwelling units & agricultural land and landless labourers/artisans. a. SC, ST / Adivasis b. Others	N.A. as expansion is within the MIDC allotted plot.
9	Financial Details	
	a. Project cost as originally planned and subsequent revised estimates and the year of price reference	Rs.99.11 Crores
	b. Allocation made for environmental management plans with item wise and year wise break up.	Total allocation for environmental management plans is for Rs.4.99 Crores The details of the above said funds are given below in rupees 1. ETP (Civil costs of Aeration tanks, blowers, MBR, etc. ) = 1.94 Cr 2. MEE+ATFD = 1.2 Cr 3. RO = 0.6 Cr 4. Sludge dryer = 0.3 Cr 5. Chimney = 0.2 Cr 6. Scrubber = 0.75 Cr  Out of the above budgeted funds, we have utilized Rs.4,99,41,068/- towards procurement of all the ETP and scrubber system as on 31.12.2021.
	c. Benefit cost ratio / Internal Rate of Return and the year of assessment	New Project
	d. Whether c. includes the cost of environmental management as shown in the above	New Project
	b) Actual expenditure incurred on the project so far	Rs.92.71 Crores as on 31.12.2021
	c) Actual expenditure incurred on the environmental management plans so far	Rs.4,99,41,068/- as on 31.12.2021
10	Forest land requirement	
	a. The status of approval for diversion of forest land for non-forestry use	N.A.
	b. The status of clearing felling	N.A.
	c. The status of compensatory afforestation, if any	N.A.
11	The status of clear felling in non-forest areas (such as submergence area or reservoir, approach roads), if any with quantitative information required.	N.A.



12	Status of construction (Actual &/or Planned)	
	a. Date of commencement (Actual &/or Planned)	15.01.2019
	b. Date of Completion (Actual &/or Planned)	31.03.2022
13	Reason for the delay if the project is yet to start	Project under construction
14	Date of site visits	
	a. The dates on which the project was monitored by the Regional Office on the previous occasions, if any.	Project was visited and monitored by the Field Officer, MPCB, Mumbai-I on 20.09.2021
	b. Date of site visit for this monitoring report	N.A.
15	Details of correspondence with project authorities for obtaining action plans/information on status of compliance to safeguards other than the routine letters for logistic support for site visits).	-----

For Galaxy Surfactants Limited



Yogesh Sankhe  
Manager- Safety Health & Environment



# 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

Gazetted By Ministry of Environment, Forest & Climate Change, Govt Of India, S. O. 857 (E), Valid upto 25.02.2023 • DCI NABET Accredited EIA Consultancy



## ANALYSIS TEST REPORT

Report No.	SEETL220000058	Report Date	05/01/2022		
Name of Client	M/s. Galaxy Surfactants Limited				
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin : 401506, Maharashtra.				
Order / Reference	P.O. NO.4500128302 Dated 29.06.2021				
Date Of sampling	30/12/2021	Sample Receipt Date	31/12/2021		
Analysis Started on	31/12/2021	Analysis Completed On	05/01/2022		
ULR No.	TC-951622000000042F				
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32		
Environmental Condition of Lab		Temperature(°C)	24	Humidity (%)	50

## DETAILS OF STACK

Attached To	HAG
Shape	Round
Diameter (mm)	450
Height From Ground Level (Mtr)	25 Mtr.
Temperature (°C)	149.00
Velocity of Flue Gases (m/sec)	4.01
Volume of Flue Gases (m <sup>3</sup> /hour)	2297.29
Type of Fuel	Furnace Oil

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	53	mg/Nm <sup>3</sup>	150.00	IS 11255 (Part 1):1985 RA. 2019
SO <sub>2</sub>	12	Kg/Day	-	IS 11255 (Part 2):1985 RA. 2019
NO <sub>2</sub>	17	mg/Nm <sup>3</sup>	-	IS 11255 (Part 7):2005 RA. 2017

- 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.



*gmsyekar*  
Authorized Signatory  
Trupti Mayekar

Format No. SEETL/LD/F-72

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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



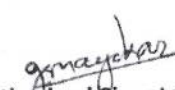
# Sadekar Enviro Engineers Pvt. Ltd.

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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## ANALYSIS TEST REPORT

<b>Report No.</b>	<b>SEETL220000059</b>	<b>Report Date</b>	<b>05/01/2022</b>		
<b>Name of Client</b>	<b>M/s. Galaxy Surfactants Limited</b>				
<b>Address of Client</b>	<b>Plot No. G-59, MIDC Tarapur, Boisar Tal. &amp; Dist. Palghar, Pin : 401506, Maharashtra.</b>				
<b>Order / Reference</b>	<b>P.O. NO.4500128302 Dated 29.06.2021</b>				
<b>Date Of sampling</b>	<b>30/12/2021</b>	<b>Sample Receipt Date</b>	<b>31/12/2021</b>		
<b>Analysis Started on</b>	<b>31/12/2021</b>	<b>Analysis Completed On</b>	<b>05/01/2022</b>		
<b>ULR No.</b>	<b>TC-95162200000043F</b>				
<b>Sample Collected By</b>	<b>SEETL Representative</b>	<b>Sampling SOP No.</b>	<b>SEETL/LD/SOP/AA-32</b>		
<b>Environmental Condition of Lab</b>		<b>Temperature(°C)</b>	<b>24</b>	<b>Humidity (%)</b>	<b>50</b>
<b>DETAILS OF STACK</b>					
<b>Attached To</b>	<b>DG 250 KVA</b>				
<b>Shape</b>	<b>Round</b>				
<b>Diameter (mm)</b>	<b>150</b>				
<b>Height From Ground Level (Mtr)</b>	<b>6.0 Mtr. Above the roof</b>				
<b>Temperature (°C)</b>	<b>166.00</b>				
<b>Velocity of Flue Gases (m/sec)</b>	<b>11.97</b>				
<b>Volume of Flue Gases (m<sup>3</sup>/hour)</b>	<b>761.73</b>				
<b>Type of Fuel</b>	<b>HSD</b>				
<b>POLLUTIONAL PARAMETERS</b>					
<b>Parameters</b>	<b>Result</b>	<b>Units</b>	<b>MPCB Limit</b>	<b>Method</b>	
TPM	41	mg/Nm <sup>3</sup>	150.00	IS 11255 (Part 1):1985 RA. 2019	
SO <sub>2</sub>	5.6	Kg/Day	-	IS 11255 (Part 2):1985 RA. 2019	
NO <sub>x</sub>	9.0	mg/Nm <sup>3</sup>	-	IS 11255 (Part 7):2005 RA. 2017	
<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.					
			 <b>Authorized Signatory</b> <b>Trupti Mayekar</b>		

Format No. SEETL/LD/F-72

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ISO 14001

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## ANALYSIS TEST REPORT

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Name of Client	M/s. Galaxy Surfactants Limited				
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin : 401506, Maharashtra.				
Order / Reference	P.O. NO.4500128302 Dated 29.06.2021				
Date Of sampling	30/12/2021	Sample Receipt Date	31/12/2021		
Analysis Started on	31/12/2021	Analysis Completed On	05/01/2022		
ULR No.	-				
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32		
Environmental Condition of Lab		Temperature(°C)	24	Humidity (%)	50

## DETAILS OF STACK

Attached To	HAG
Shape	Round
Diameter (mm)	450
Height From Ground Level (Mtr)	25 Mtr.
Temperature (°C)	149.00
Velocity of Flue Gases (m/sec)	4.01
Volume of Flue Gases (m <sup>3</sup> /hour)	2297.29
Type of Fuel	Furnace Oil

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	Method
O <sub>2</sub>	6.83	%	EPA Method-3A 1997
CO <sub>2</sub>	1.93	%	EPA Method-3A 1997

- 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.

  
Authorized Signatory  
Nilesh Naik

Format No. SEETL/LD/F-72

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SEE-12111  
SPVA-121

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## ANALYSIS TEST REPORT

Report No.	SEETL220000059	Report Date	05/01/2022
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Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin : 401506, Maharashtra.		
Order / Reference	P.O. NO.4500128302 Dated 29.06.2021		
Date Of sampling	30/12/2021	Sample Receipt Date	31/12/2021
Analysis Started on	31/12/2021	Analysis Completed On	05/01/2022
ULR No.	-		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	24	Humidity (%) 50


## DETAILS OF STACK

Attached To	DG 250 KVA
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	6.0 Mtr. Above the roof
Temperature (°C)	166.00
Velocity of Flue Gases (m/sec)	11.97
Volume of Flue Gases (m <sup>3</sup> /hour)	761.73
Type of Fuel	HSD

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	Method
O <sub>2</sub>	13.55	%	EPA Method-3A 1997
CO <sub>2</sub>	2.87	%	EPA Method-3A 1997

- 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.

  
Authorized Signatory  
Nilesch Naik

Format No. SEETL/LD/F-72

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# 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



TC-9516

## ANALYSIS TEST REPORT

Report No.	SEETL220000060	Report Date	05/01/2022		
Name of Client	M/s. Galaxy Surfactants Limited				
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin : 401506, Maharashtra.				
Order / Reference	P.O. NO.4500128302 Dated 29.06.2021				
Date Of sampling	30/12/2021	Sample Receipt Date	31/12/2021		
Analysis Started on	31/12/2021	Analysis Completed On	05/01/2022		
ULR No.	TC-95162200000044F				
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32		
Environmental Condition of Lab		Temperature(°C)	24	Humidity (%)	50

## DETAILS OF STACK

Attached To	Needle Plant Blower
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	15 Mtr.
Temperature (°C)	36.00
Velocity of Flue Gases (m/sec)	3.78
Volume of Flue Gases (m <sup>3</sup> /hour)	240.45
Type of Fuel	Electricity

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	39	mg/Nm <sup>3</sup>	150.00	IS 11255 (Part 1):1985 RA. 2019
SO <sub>2</sub>	ND	Kg/Day	-	IS 11255 (Part 2):1985 RA. 2019
NO <sub>2</sub>	ND	mg/Nm <sup>3</sup>	-	IS 11255 (Part 7):2005 RA. 2017

- 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) ND:- Not Detected.



*Trupti Mayekar*  
**Authorized Signatory**  
Trupti Mayekar

Format No. SEETL/LD/F-72

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# 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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SRM 11/01/09  
SRM 11/01/09

## ANALYSIS TEST REPORT

Report No.	SEETL220000060	Report Date	05/01/2022	
Name of Client	M/s. Galaxy Surfactants Limited			
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin : 401506, Maharashtra.			
Order / Reference	P.O. NO.4500128302 Dated 29.06.2021			
Date Of sampling	30/12/2021	Sample Receipt Date	31/12/2021	
Analysis Started on	31/12/2021	Analysis Completed On	05/01/2022	
ULR No.	-			
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	24	Humidity (%)	50

## DETAILS OF STACK

Attached To	Needle Plant Blower
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	15 Mtr.
Temperature (°C)	36.00
Velocity of Flue Gases (m/sec)	3.78
Volume of Flue Gases (m <sup>3</sup> /hour)	240.45
Type of Fuel	Electricity

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	Method
O <sub>2</sub>	ND	%	EPA Method-3A 1997
CO <sub>2</sub>	ND	%	EPA Method-3A 1997

- 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) ND:- Not Detected.

  
**Authorized Signatory**  
Nilesch Naik

Format No. SEETL/LD/F-72

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## ANALYSIS TEST REPORT

Report No.	SEETL220000061	Report Date	05/01/2022
Name of Client	M/s. Galaxy Surfactants Limited		
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin : 401506, Maharashtra.		
Order / Reference	P.O. NO.4500128302 Dated 29.06.2021		
Date Of sampling	30/12/2021	Sample Receipt Date	31/12/2021
Analysis Started on	31/12/2021	Analysis Completed On	05/01/2022
ULR No.	TC-95162200000045F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	24	Humidity (%) 50

## DETAILS OF STACK

Attached To	SDP Plant Blower
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	15 Mtr.
Temperature (°C)	35.00
Velocity of Flue Gases (m/sec)	4.73
Volume of Flue Gases (m <sup>3</sup> /hour)	301.11
Type of Fuel	Electricity

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	34	mg/Nm <sup>3</sup>	150.00	IS 11255 (Part 1):1985 RA. 2019
SO <sub>2</sub>	ND	Kg/Day	-	IS 11255 (Part 2):1985 RA. 2019
NO <sub>2</sub>	ND	mg/Nm <sup>3</sup>	-	IS 11255 (Part 7):2005 RA. 2017

- 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) ND:- Not Detected.



*Trupti Mayekar*  
Authorized Signatory  
Trupti Mayekar

Format No. SEETL/LD/F-72

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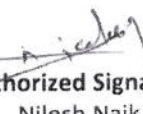
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## ANALYSIS TEST REPORT

<b>Report No.</b>	<b>SEETL220000061</b>	<b>Report Date</b>	<b>05/01/2022</b>
<b>Name of Client</b>	<b>M/s. Galaxy Surfactants Limited</b>		
<b>Address of Client</b>	<b>Plot No. G-59, MIDC Tarapur, Boisar Tal. &amp; Dist. Palghar, Pin : 401506, Maharashtra.</b>		
<b>Order / Reference</b>	<b>P.O. NO.4500128302 Dated 29.06.2021</b>		
<b>Date Of sampling</b>	<b>30/12/2021</b>	<b>Sample Receipt Date</b>	<b>31/12/2021</b>
<b>Analysis Started on</b>	<b>31/12/2021</b>	<b>Analysis Completed On</b>	<b>05/01/2022</b>
<b>ULR No.</b>	<b>-</b>		
<b>Sample Collected By</b>	<b>SEETL Representative</b>	<b>Sampling SOP No.</b>	<b>SEETL/LD/SOP/AA-32</b>
<b>Environmental Condition of Lab</b>	<b>Temperature(°C)</b>	<b>24</b>	<b>Humidity (%)</b> <b>50</b>
<b>DETAILS OF STACK</b>			
<b>Attached To</b>	<b>SDP Plant Blower</b>		
<b>Shape</b>	<b>Round</b>		
<b>Diameter (mm)</b>	<b>150</b>		
<b>Height From Ground Level (Mtr)</b>	<b>15 Mtr.</b>		
<b>Temperature (°C)</b>	<b>35.00</b>		
<b>Velocity of Flue Gases (m/sec)</b>	<b>4.73</b>		
<b>Volume of Flue Gases (m<sup>3</sup>/hour)</b>	<b>301.11</b>		
<b>Type of Fuel</b>	<b>Electricity</b>		
<b>POLLUTIONAL PARAMETERS</b>			
<b>Parameters</b>	<b>Result</b>	<b>Units</b>	<b>Method</b>
O <sub>2</sub>	ND	%	EPA Method-3A 1997
CO <sub>2</sub>	ND	%	EPA Method-3A 1997
<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) ND:- Not Detected.			
 <b>Authorized Signatory</b> Nilesch Naik			

Format No. SEETL/LD/F-72

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TC-9516

## ANALYSIS TEST REPORT

<b>Report No.</b>	<b>SEETL220000062</b>	<b>Report Date</b>	<b>05/01/2022</b>		
<b>Name of Client</b>	<b>M/s. Galaxy Surfactants Limited</b>				
<b>Address of Client</b>	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin : 401506, Maharashtra.				
<b>Order / Reference</b>	<b>P.O. NO.4500128302 Dated 29.06.2021</b>				
<b>Date Of sampling</b>	<b>30/12/2021</b>	<b>Sample Receipt Date</b>	<b>31/12/2021</b>		
<b>Analysis Started on</b>	<b>31/12/2021</b>	<b>Analysis Completed On</b>	<b>05/01/2022</b>		
<b>ULR No.</b>	<b>TC-951622000000046F</b>				
<b>Sample Collected By</b>	<b>SEETL Representative</b>	<b>Sampling SOP No.</b>	<b>SEETL/LD/SOP/AA-32</b>		
<b>Environmental Condition of Lab</b>		<b>Temperature(°C)</b>	<b>24</b>	<b>Humidity (%)</b>	<b>50</b>
<b>DETAILS OF STACK</b>					
<b>Attached To</b>	<b>Spray Dryer (Powder Blower SDP Chimney)</b>				
<b>Shape</b>	<b>Round</b>				
<b>Diameter (mm)</b>	<b>520</b>				
<b>Height From Ground Level (Mtr)</b>	<b>25 Mtr.</b>				
<b>Temperature (°C)</b>	<b>95.00</b>				
<b>Velocity of Flue Gases (m/sec)</b>	<b>2.24</b>				
<b>Volume of Flue Gases (m<sup>3</sup>/hour)</b>	<b>1715.92</b>				
<b>Type of Fuel</b>	<b>Electricity</b>				
<b>POLLUTIONAL PARAMETERS</b>					
<b>Parameters</b>	<b>Result</b>	<b>Units</b>	<b>MPCB Limit</b>	<b>Method</b>	
TPM	47	mg/Nm <sup>3</sup>	150.00	IS 11255 (Part 1):1985 RA. 2019	
SO <sub>2</sub>	ND	Kg/Day	-	IS 11255 (Part 2):1985 RA. 2019	
NO <sub>2</sub>	ND	mg/Nm <sup>3</sup>	-	IS 11255 (Part 7):2005 RA. 2017	
<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. 4) ND- Not Detected.					
			 <b>Authorized Signatory</b> Trupti Mayekar		

Format No. SEETL/LD/F-72

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## ANALYSIS TEST REPORT

Report No.	SEETL220000062	Report Date	05/01/2022	
Name of Client	M/s. Galaxy Surfactants Limited			
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin : 401506, Maharashtra.			
Order / Reference	P.O. NO.4500128302 Dated 29.06.2021			
Date Of sampling	30/12/2021	Sample Receipt Date	31/12/2021	
Analysis Started on	31/12/2021	Analysis Completed On	05/01/2022	
ULR No.	-			
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	24	Humidity (%)	50
<b>DETAILS OF STACK</b>				
Attached To	Spray Dryer (Powder Blower SDP Chimney)			
Shape	Round			
Diameter (mm)	520			
Height From Ground Level (Mtr)	25 Mtr.			
Temperature (°C)	95.00			
Velocity of Flue Gases (m/sec)	2.24			
Volume of Flue Gases (m <sup>3</sup> /hour)	1715.92			
Type of Fuel	Electricity			
<b>POLLUTIONAL PARAMETERS</b>				
Parameters	Result	Units	Method	
O <sub>2</sub>	ND	%	EPA Method-3A 1997	
CO <sub>2</sub>	ND	%	EPA Method-3A 1997	
<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. 4) ND- Not Detected.				
 <b>Authorized Signatory</b> Nilesh Naik				

Format No. SEETL/LD/F-72

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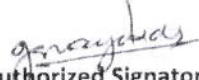


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ANALYSIS TEST REPORT					
Report No	SEETL220000004	Report Date	03/01/2022		
Name of Client	M/s. Galaxy Surfactants Ltd.				
Address of Client	Plot No. G-59, M.I.D.C., Tarapur, Tal & Dist. Palghar- 401506.				
Order / Reference	P.O. No: 4500128302 Date - 29/06/2021				
Date Of sampling	30/12/2021	Sample Receipt Date	31/12/2021		
Analysis Started on	31/12/2021	Analysis Completed On	03/01/2022		
ULR No.	TC-951622000000004F				
Sample Collected By	SEETL Representative				
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32		
Environmental Condition of Lab	Temperature(°C)	24	Humidity (%)	50	
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(°C)	27	Humidity (%)	61		
Wind Speed (km/hr)	09	Wind Direction (deg <sup>0</sup> )	W,281		
Instruments Used	R.D.S.(APM- 640), F.P.S.(APM – 550) & G.P.S.(APM – 411)				
POLLUTIONAL PARAMETERS					
Parameters	Result	Units	NAAQS Limits	Method	
PM <sub>10</sub>	59	µg/m <sup>3</sup>	100.00	IS 5182(Part 23)2006RA: 2017	
PM <sub>2.5</sub>	21	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011: 2017	
SO <sub>2</sub>	22	µg/m <sup>3</sup>	80.00	IS 5182(Part 2): 2001 RA: 2017	
NO <sub>2</sub>	26	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 RA: 2017	
Ozone (O <sub>3</sub> )	23	µg/m <sup>3</sup>	180.00	IS 5182 (Part 9): 1974 RA: 2019	
CO	1.02	mg/m <sup>3</sup>	04.00	IS 5182 (Part 10) : 1999 RA 2019	
Ammonia (NH <sub>3</sub> )	< 20	µg/m <sup>3</sup>	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I, 2011	
Lead as Pb	< 0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5: 2012	
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 4	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 RA 2017	
Arsenic(As)	< 5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5: 2012	
Nickel(Ni)	< 5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5: 2012	
Benzo(a)Pyrene	< 0.1	ng/m <sup>3</sup>	1.00	IS 5182 (Part 12): 2004 RA: 2019	
<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					
			 Authorized Signatory Trupti Mayekar		

Format no. SEETL/LD/F-72

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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

Gazetted By Ministry of Environment, Forest & Climate Change, Govt. Of India, S. O. 857 (E), Valid upto 25.02.2023 • QC: NABET Accredited EIA Consultancy



TC-9516

## ANALYSIS TEST REPORT

Report No.	SEETL220000055	Report Date	05/01/2022
Name of Client	M/s. Galaxy Surfactants Limited		
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin: 401506, Maharashtra.		
Order / Reference	P.O. NO.4500128302 Dated 29.06.2021		
Date Of sampling	30/12/2021	Sample Receipt Date	31/12/2021
Analysis Started on	31/12/2021	Analysis Completed On	05/01/2022
ULR No.	TC-95162200000040F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	24	Humidity (%) 50

## AMBIENT AIR STATION

Location of H.V.S.	Near DG Side Area		
Lateral Distance	5.0 Meter from Main Security Gate		
Receptor Distance	1.5 Meters From Ground Level		
Ambient Temperature (°C)	27	Humidity (%)	63
Wind Speed (km/hr)	11	Wind Direction (deg <sup>o</sup> )	SSW,213 <sup>o</sup>
Instruments Used	R.D.S.(APM- 450), F.P.S.(APM – 550) & G.P.S.(APM – 411)		

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM <sub>10</sub>	48	µg/m <sup>3</sup>	100.00	IS 5182(Part 23)2006RA: 2017
PM <sub>2.5</sub>	28	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011: 2017
SO <sub>2</sub>	14	µg/m <sup>3</sup>	80.00	IS 5182(Part 2): 2001 RA: 2017
NO <sub>2</sub>	17	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 RA: 2017
Ammonia (NH <sub>3</sub> )	< 20	µg/m <sup>3</sup>	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I, 2011
CO	1.56	mg/m <sup>3</sup>	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.10	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5: 2012
Benzene (C <sub>6</sub> H <sub>6</sub> )	<4	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 RA 2017
Arsenic(As)	<5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5: 2012
Ozone (O <sub>3</sub> )	27	µg/m <sup>3</sup>	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene	<0.1	ng/m <sup>3</sup>	1.00	IS 5182 (Part 12): 2004 RA: 2019

- 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.



*Trupti Mayekar*  
Authorized Signatory  
Trupti Mayekar

Format No. SEETL/LD/F-72

**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 Balim Road, Bardez, Porvorim, Panaji-Goa-403 101.  
Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : starlabgoa@rediffmail.com • CIN No. U45209MH1998PTC-116379






# Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, MID 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

Gazetted By Ministry of Environment, Forest & Climate Change, Govt Of India, S. Q. 637 (E), Valid upto 25.02.2023 • QCI-NABET Accredited EIA Consultancy



TC-9516

ANALYSIS TEST REPORT				
Report No.	SEETL220000056	Report Date	05/01/2022	
Name of Client	M/s. Galaxy Surfactants Limited			
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin: 401506, Maharashtra.			
Order / Reference	P.O. NO.4500128302 Dated 29.06.2021			
Date Of sampling	30/12/2021	Sample Receipt Date	31/12/2021	
Analysis Started on	31/12/2021	Analysis Completed On	05/01/2022	
ULR No.	TC-951622000000041F			
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab		Temperature(°C)	24	Humidity (%) 50
AMBIENT AIR STATION				
Location of H.V.S.	Near ETP			
Lateral Distance	5.0 Meter from ETP			
Receptor Distance	1.5 Meters From Ground Level			
Ambient Temperature (°C)	27	Humidity (%)	63	
Wind Speed (km/hr)	11	Wind Direction (deg <sup>0</sup> )	SSW, 213 <sup>0</sup>	
Instruments Used	R.D.S.(APM- 450), F.P.S.(APM – 550) & G.P.S.(APM – 411)			
POLLUTIONAL PARAMETERS				
Parameters	Result	Units	NAAQS Limits	Method
PM <sub>10</sub>	57	µg/m <sup>3</sup>	100.00	IS 5182(Part 23)2006RA: 2017
PM <sub>2.5</sub>	32	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011: 2017
SO <sub>2</sub>	18	µg/m <sup>3</sup>	80.00	IS 5182(Part 2): 2001 RA: 2017
NO <sub>2</sub>	24	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 RA: 2017
Ammonia (NH <sub>3</sub> )	< 20	µg/m <sup>3</sup>	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I, 2011
CO	1.66	mg/m <sup>3</sup>	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.10	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5: 2012
Benzene (C <sub>6</sub> H <sub>6</sub> )	<4	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 RA 2017
Arsenic(As)	<5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5: 2012
Ozone (O <sub>3</sub> )	30	µg/m <sup>3</sup>	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene	<0.1	ng/m <sup>3</sup>	1.00	IS 5182 (Part 12): 2004 RA: 2019
<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> Trupti Mayekar		

Format No. SEETL/LD/F-72

**BRANCH OFF.** : 310, Dempo Towers, EDC Patto, Panaji-403 001. Goa State, India ☎ : (0832) 2437048 / 2437164  
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**LABORATORY** : B-306/307, Plot No. 61, Patei Estate, Reis Magos, Verem, Aito, Old Betim Road, Bardez, Porvorim, Panaji-Goa-403 101  
Goa State, India ☎ : (0832) 2411322 / 23 • E-mail : startlabgoa@rediffmail.com • CIN No. U45209MH1998PTC-116379





# Maharashtra Pollution Control Board

## महाराष्ट्र प्रदूषण नियंत्रण मंडळ

### FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2021

**Unique Application Number**

MPCB-ENVIRONMENT\_STATEMENT-0000037617

**Submitted Date**

28-09-2021

### PART A

#### Company Information

**Company Name**

Galaxy Surfactants Ltd

**Application UAN number**

1318

**Address**

G-59 MIDC Tarapur

**Plot no**

G-59

**Taluka**

Palghar

**Village**

MIDC Tarapur

**Capital Investment (In lakhs)**

585.44

**Scale**

MSI

**City**

Palghar

**Pincode**

401506

**Person Name**

Sesha Samba Murty

**Designation**

Factory Manager

**Telephone Number**

7767811383

**Fax Number**

0

**Email**

Sesgu@galaxysurfactants.com

**Region**

SRO-Tarapur I

**Industry Category**

Red

**Industry Type**

other

**Last Environmental statement submitted online**

yes

**Consent Number**

MPCB/16/09171/ROT/TR-1/83/12

**Consent Issue Date**

15.07.2016

**Consent Valid Upto**

30.04.2021

**Establishment Year**

1992

**Date of last environment statement submitted**

Sep 22 2020 12:00:00:000AM

**Industry Category Primary (STC Code) & Secondary (STC Code)**

#### Product Information

**Product Name**

Fatty Alcohol Sulphates/Sulfosuccinate ( Powder/Needles)

**Consent Quantity**

1200

**Actual Quantity**

372.27

**UOM**

MT/A

Fatty Alcohol Sulphate (Needle-Colour)

2400

293.26

MT/A

Fatty Alcohol Sulphates/Fatty Alcohol Ether Sulphate

576

414.02

MT/A

#### By-product Information

**By Product Name**

0

**Consent Quantity**

0

**Actual Quantity**

0

**UOM**

MT/A

## Part-B (Water & Raw Material Consumption)

### 1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
	15	19.80
Cooling	4	3.80
Domestic	7	6.56
All others	4	3.70
<b>Total</b>	<b>30</b>	<b>33.86</b>

### 2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
EFFLEUNT GENERATION	15	4.1	CMD
DOMESTIC EFFLEUNT	7	3	CMD

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
0	0	0	CMD

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Caustic soda Lye	0.38	0.36	MT/A
C1214 Alkyl polyglucoside	4.41	14.60	MT/A
Alkyl polyglucoside C0814	8.19	8.19	MT/A
FAS Liquid	1728.40	1405.43	MT/A
Galaxy LSS (Paste) C1216	192.40	225.09	MT/A
Citric acid (MONOHYDRATE)	1.44	0.83	MT/A
Sodium Sulfate	0.58	0.33	MT/A

### 4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
FO	438	183.32	MT/A
HSD	61	5.24	KL/A

## Part-C

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
pH	0	7.25	0	5.5-9.5	NA
TSS	0.022	5.25	0	<100mg/l	NA
COD	0.06	14	0	<250mg/l	NA



BOD	0.03	7.3	0	<100mg/l	NA
TDS	0.691	168	0	<2100mg/l	NA
O/G	0.002	0.6	0	<10mg/l	NA
CHLORIDE	0.17	41.6	0	<600mg/l	NA
SULPHATE	0.068	16.4	0	<1000mg/l	NA
SODIUM	0.00	0.00	0	<60%	NA
FREE AMMONIA	0.05	0.00	0	<5mg/l	NA

**[B] Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
TPM (TFE)	3.27	52.25	0	<150mg/nm3	NA
SO2 (TFE)	15.25	15.25	0	NS	NA
TPM (SDE)	2.44	47	0	<150mg/nm3	NA
TPM(SDP BLOWER)	0.32	41.5	0	<150mg/nm3	NA
TPM(NEEDLE PLANT BLOWER)	0.27	43.66	0	<150mg/nm3	NA
TPM(DG)	0.87	45.75	0	<150mg/nm3	NA
SO2(DG)	6.95	6.95	0	NS	NA

**Part-D**

**HAZARDOUS WASTES**

**1) From Process**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used or spent oil	0.780	0.600	MT/A

**2) From Pollution Control Facilities**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
35.1 Exhaust Air or Gas cleaning residue	0.31	0.280	MT/A
35.3 Chemical sludge from waste water treatment	1.56	1.17	MT/A

**Part-E**

**SOLID WASTES**

**1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
PVC PAPER BAGS	2.818	4.825	MT/A
HDPE DRUM	285	21	Nos./Y
WOODEN PALLATE	160	0	Nos./Y

**2) From Pollution Control Facilities**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
NA	0	0	MT/A

**3) Quantity Recycled or Re-utilized within the unit**

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

**Part-F**

**Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.**

**1) Hazardous Waste**

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	0.600	MT/A	LIQUID
35.1 Exhaust Air or Gas cleaning residue	0.280	MT/A	SOLID
35.3 Chemical sludge from waste water treatment	1.17	MT/A	SOLID

**2) Solid Waste**

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
EMPTY BAGS	4.825	MT/A	PAPER BAGS WITH PVC LINER
HDPE DRUM	21	Nos./Y	NA
WOODEN PALLATE	0	Nos./Y	NA

**Part-G**

**Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.**

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0	0	0	0	0	0

**Part-H**

**Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.**

**[A] Investment made during the period of Environmental Statement**

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
We have installed Zero Liquid Discharge Facility	Treated Effluent Water is recycled within the Plant	700

**[B] Investment Proposed for next Year**

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NIL	NIL	0

**Part-I**

**Any other particulars for improving the quality of the environment.**

**Particulars**



Secondary and Tertiary treatment to effluent is done at our sister units situated at M3 MIDC Tarapur, We have received ZLD amendment consent at M-3 unit

***Name & Designation***

Sesha Samba Murty - Head NPT & Conversion Process

***UAN No:***

MPCB-ENVIRONMENT\_STATEMENT-0000037617

***Submitted On:***

28-09-2021



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

### FORM FOR FILING ANNUAL RETURNS

[ To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

**Unique Application Number:**

MPCB-HW\_ANNUAL\_RETURN-0000021056

**Submitted On:**

23-06-2021

**Submitted for Year:**

April 2020 to March 2021

**1. Name of the generator/operator of facility Address of the unit/facility**

GALAXY SURFACTANTS LTD

PLOT NO.G-59, TARAPUR MIDC, BOISAR

**1b. Authorization Number**

MPCB/16/09171/ROT/TR-1/83/12

**Date of issue**

Jul 15, 2016

**Date of validity of consent**

Apr 30, 2021

**2. Name of the authorised person**

MR. SSHA SAMBA MURTY

**Full address of authorised person**

PLOT NO.G-59, TARAPUR MIDC, BOISAR

**Telephone**

9867613368

**Fax**

02525-307879

**Email**

seshu@galaxysurfactants.com

3.Production during the year (product wise), wherever applicable

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Chemical ,Petrochemical &Electrochemical	FATTY ALCOHOL SULPHATES ( POWDER/NEEDLES)	1200.0000	372.27	MT/A
Chemical ,Petrochemical &Electrochemical	FATTY ALCOHOL SULPHATES ( COLOR NEEDLES)	2400.0000	293.26	MT/A
Chemical ,Petrochemical &Electrochemical	FATTY ALCOHOL SULPHATES ( LIQUID)	576.0000	414.02	MT/A

### PART A: To be filled by hazardous waste generators

**1. Total Quantity of waste generated category wise**

Type of hazardous waste	Waste Name	Consented Quantity	Quantity	UOM
5.1 Used or spent oil	ETP SLUDGE	2.000	0.600	MTA
35.1 Exhaust Air or Gas cleaning residue		0.280	MTA	
35.3 Chemical sludge from waste water treatment		1.17	MTA	

**2. Quantity dispatched category wise.**

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
5.1 Used or spent oil	0.600	MTA	Disposal Facility	MWML
35.1 Exhaust Air or Gas cleaning residue	0.280	MTA	Disposal Facility	MWML
35.3 Chemical sludge from waste water treatment	1.17	MTA	Disposal Facility	MWML

**3. Quantity Utilised in-house,If any**

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	0	KL/Anum



4. Quantity in storage at the end of the year

<b>Type of Waste</b>	<b>Name of Waste</b>	<b>Quantity of Waste</b>	<b>UOM</b>
NA	NA	0	KL/Anum

## **PART B: To be filled bt Treatment,storage, and disposal facility operators**

**1.Total Quantity received** **UOM** **State Name**  
NA KL/Anum Other

**2. Quantity in stock at the beginning of the year** **UOM**  
NA KL/Anum

**3. Quantity treated** **UOM**  
NA KL/Anum

4. Quantity disposed in landfills as such and after treatment

**Direct landfilling** **UOM**  
NA KL/Anum

**Landfill after treatment** **UOM**  
NA KL/Anum

**5. Quantity incinerated (if applicable)** **UOM**  
NA KL/Anum

**6. Quantiry processed other than specified above** **UOM**  
NA KL/Anum

**7. Quantity in storage at the end of the year.** **UOM**  
NA KL/Anum

## **PART C: To be filled by recyclers or co-processors or other users**

1. Quantity of waste received during the year

<b>Waste Name/Category</b>	<b>Country Name</b>	<b>State Name</b>	<b>Quantity of waste received from domestic sources</b>	<b>Quantity of waste imported(If any)</b>	<b>Units</b>
NA	India	Other	NA	NA	KL/Anum

2. Quantity in stock at the beginning of the year

<b>Waste Name/Category</b>	<b>Quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

3. Quantity of waste recycled or co-procesed or used

<b>Name of Waste</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UOM</b>
NA	NA	NA	KL/Anum

4. Quantity of products dispatched (wherever applicable)

<b>Name of product</b>	<b>Quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

5. Total quantity of waste generated

<b>Waste name/category</b>	<b>quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

6. Total quantity of waste disposed

<b>Waste name/category</b>	<b>quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

7. Total quantity of waste re-exported (If Applicable)

<b>Waste name/category</b>	<b>quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

8. Quantity in storage at the end of the year

<b>Waste name/category</b>	<b>quantity</b>	<b>UOM</b>

NA

NA

KL/Anum

Personal Details

**Place**  
Tarapur

**Date**  
2021-06-17

**Designation**  
Head - NPT & Conversion Process