



Global Supplier to Global Brands

## Galaxy Surfactants Ltd.

30.01.2023

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 2022 to December 2022, 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

Rajesh Khatavkar  
Sr. Manager – Conversion Process

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  
Tel : + 91-22-65134444 / 27616666  
Fax : + 91-22-27615883 / 27615886  
E-mail : galaxy@galaxysurfactants.com  
Website : www.galaxysurfactants.com

CIN L39877MH1986PLC039877

Email: galaxy@galaxysurfactants.com

Revised  
31/1/2023  
SUB REGIONAL OFFICE  
M.P.C. BOARD  
TARAPUR MIDC  
TAL & DIST. PALGHAR

**COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE**  
**(Period: July 2022 – December 2022)**

**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** :

<b>Sr. No.</b>	<b>Name of the product</b>	<b>Production QTY. (MT/Month)</b>
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

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

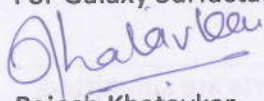
Sr.No.	Conditions	Compliance Status
I	The Environment Clearance is issued subject to condition that PP to achieve Zero Liquid Discharge; PP shall ensure that there is no increase in the effluent load to CETP.	1 No trade effluent discharge in respect of existing production. 2. We will abide by the above referred EC condition.
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 August 2022. Next Health checkup is due in February 2023
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:- Complied
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	We have procured necessary material for starting Rainwater harvesting system and will be completed by 30th June 2023.
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 a Zero Liquid Discharge (ZLD) Unit. Entire effluent is 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.	Total 370 numbers of trees and shrubs are planted around the plant periphery. Additional plantation will also be done and maintained in future and we will keep you updated about the same through subsequent reports.
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 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 August 2022. Next Health checkup is due in February 2023.
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.	We have budgeted separate funds for environment protection measures. We have utilized Rs.10,97,43,579/- towards procurement of all the ETP and scrubber system as on 31.12.2022.
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	Status of compliance of the stipulated EC conditions, including results of monitored data is being uploaded on our website on regular basis.

	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.	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 2021-2022 submitted online with the MPCB website on 29.9.2022. and revised submitted on 22.10.2022  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



Rajesh Khatavkar

Sr. Manager – Conversion Process

**SIX MONTHLY COMPLIANCE REPORT**  
**PART I: DATA SHEET**  
**(Period: July 2022– December 2022)**

**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.	Company has spent Rs.10,97,43,579/- towards procurement & installation of all the ETP, MEE+ATFD, RO, Sludge Dryer, Chimney, and scrubber system as on 31.12.2022. (ETP asset capitalized + phase 2 ETP CWIP)
	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 88.34 Crores as on 31.12.2022. (Phase 1 Capitalization + CWIP as on 31 <sup>st</sup> December 2022)
	c) Actual expenditure incurred on the environmental management plans so far	Rs.10,97,43,579/- as on 31.12.2022
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, Tarapur-I on 19.04.2022.
	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



Rajesh Khatavkar

Sr. Manager – Conversion Process



# 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 \* QCI-NABET Accredited EIA Consultancy



## ANALYSIS TEST REPORT

Report No.	SEETL230000043	Report Date	04/01/2023
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	PO No.4500146039 Dated :08/07/2022		
Date Of sampling	29/12/2022	Sample Receipt Date	30/12/2022
Analysis Started on	30/12/2022	Analysis Completed On	03/01/2023
ULR No.	TC-951623000000040F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.0	Humidity (%) 51

## DETAILS OF STACK

Attached To	ATFD Vent D
Shape	Round
Diameter (mm)	100
Height From Ground Level (Mtr)	12 Mtr.
Temperature (°C)	120.00
Velocity of Flue Gases (m/sec)	4.98
Volume of Flue Gases (m <sup>3</sup> /hour)	140.73
Type of Fuel	-

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	26	mg/Nm <sup>3</sup>	50.00	IS 11255 (Part 1):1985 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.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



*Trupti Mayekar*  
 Authorized Signatory  
 Trupti Mayekar



# 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

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## ANALYSIS TEST REPORT

Report No.	SEETL230000044	Report Date	04/01/2023		
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	PO No.4500146039 Dated :08/07/2022				
Date Of sampling	29/12/2022	Sample Receipt Date	30/12/2022		
Analysis Started on	30/12/2022	Analysis Completed On	03/01/2023		
ULR No.	TC-951623000000041F				
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32		
Environmental Condition of Lab		Temperature(°C)	25.0	Humidity (%)	51

## DETAILS OF STACK

Attached To	Sludge Dryer Vent F
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	12 Mtr. Above the roof
Temperature (°C)	115.00
Velocity of Flue Gases (m/sec)	4.60
Volume of Flue Gases (m <sup>3</sup> /hour)	292.64
Type of Fuel	-

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	29	mg/Nm <sup>3</sup>	50.00	IS 11255 (Part 1):1985 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.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



*gmayekar*  
Authorized Signatory  
Trupti Mayekar



# Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Waghe Industrial Area, Thane - 400 604, Maharashtra State, India.  
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SAME LATTER  
SAME LIFE

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## ANALYSIS TEST REPORT

Report No.	SEETL230000045	Report Date	04/01/2023		
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	PO No.4500146039 Dated :08/07/2022				
Date Of sampling	29/12/2022	Sample Receipt Date	30/12/2022		
Analysis Started on	30/12/2022	Analysis Completed On	03/01/2023		
ULR No.	-				
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32		
Environmental Condition of Lab		Temperature(°C)	25.0	Humidity (%)	51

## DETAILS OF STACK

Attached To	Process Reactor Vent K
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	12 Mtr.
Temperature (°C)	45.00
Velocity of Flue Gases (m/sec)	4.22
Volume of Flue Gases (m <sup>3</sup> /hour)	26833.19
Type of Fuel	-

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
Acid Mist	18	mg/Nm <sup>3</sup>	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.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



Authorized Signatory  
Nilesh Naik

Format No. SBETL/LD/F-72

Page 1 of 1

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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.  
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# Sadekar Enviro Engineers Pvt. Ltd.

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## ANALYSIS TEST REPORT

Report No.	SEETL230000046	Report Date	04/01/2023
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	PO No.4500146039 Dated :08/07/2022		
Date Of sampling	29/12/2022	Sample Receipt Date	30/12/2022
Analysis Started on	30/12/2022	Analysis Completed On	03/01/2023
ULR No.	TC-951623000000042F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.0	Humidity (%) 51

## DETAILS OF STACK

Attached To	Boiler
Shape	Round
Diameter (mm)	1200
Height From Ground Level (Mtr)	39 Mtr
Temperature (°C)	135.00
Velocity of Flue Gases (m/sec)	5.60
Volume of Flue Gases (m <sup>3</sup> /hour)	22811.33
Type of Fuel	PNG

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	<10.00	mg/Nm <sup>3</sup>	-	IS 11255 (Part 1):1985 RA. 2019
SO <sub>2</sub>	BDL	Kg/Day	-	IS 11255 (Part 2):1985 RA. 2019
NO <sub>2</sub>	12.2	PPM	50	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) BDL- Below Detection Limit (SO<sub>2</sub> < 3 mg/Nm<sup>3</sup>)

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



*gmanbas*  
Authorized Signatory  
Trupti Mayekar

Format No. SEETL/LD/F-72

Page 1 of 1

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# Sadekar Enviro Engineers Pvt. Ltd.

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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

## ANALYSIS TEST REPORT

Report No.	SEETL230000047	Report Date	04/01/2023
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	PO No.4500146039 Dated: 08/07/2022		
Date Of Monitoring	29/12/2022	Time of Sampling	Day
ULR No.	-		
Monitored By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-31
Instrument Use	Noise Meter		
Duration of sampling	10 Mins for each location		

### DG NOISE LEVEL MONITORING

Noise Levels In dB(A) Leq

Sr. No	Sampling Location (From 1 meter away)	DG Set	Distance	From DG 0.5 mtr Away
		DG is Acoustic Open & Running Condition [dB(A)]	DG is Acoustic Closed & Running Condition [dB(A)]	Insertion Loss [dB(A)]
1.	DG 1000 KVA	102.1	73.9	28.2
2.	Blower 74 k2 A.G.	99.8	73.2	26.6
3.	Blower 74 k1 A.G.	101.8	74.2	27.6
4.	Blower 74 k1 B.G.	99.7	73.8	25.9

Method:-IS:9989-1981 (RA 2020)

MPCB Limit :- Insertion loss minimum 24.8 dB(A)

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



Authorized Signatory  
Nilesh 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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## ANALYSIS TEST REPORT

Report No.	SEETL220003685	Report Date	25/11/2022
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	PO No.4500146039 Dated 08/07/2022		
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022
ULR No.	TC-951622000002897F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab		Temperature(°C)	25.3
		Humidity (%)	54

## 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 (%)	48
Wind Speed (km/hr)	07	Wind Direction (deg <sup>o</sup> )	ESE, 115
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>	70	µg/m <sup>3</sup>	100.00	IS 5182 (Part 23) 2006 RA: 2017
PM <sub>2.5</sub>	37	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO <sub>2</sub>	22	µg/m <sup>3</sup>	80.00	IS 5182 (Part 2) 2001 RA:2017
NO <sub>2</sub>	28	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	1.28	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> )	15	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 item tested & the condition prevailing at the time of sampling  
 2) PM<sub>10</sub>-Particulate Matter of size < 10 µm, PM<sub>2.5</sub>- Particulate Matter of size < 2.5 µm  
 3) NAAQS-National Ambient Air Quality Standards  
 4) Detection Limit (NH<sub>3</sub> <20 µg/m<sup>3</sup>), (Pb <0.10 µg/m<sup>3</sup>), (C<sub>6</sub>H<sub>6</sub> <4 µg/m<sup>3</sup>), (As <5 ng/m<sup>3</sup>), (Ni <5 ng/m<sup>3</sup>), (Benzo(a)Pyrene < 0.1 ng/m<sup>3</sup>)

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



*Trupti Mayekar*  
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 Trupti Mayekar

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## ANALYSIS TEST REPORT

Report No.	SEETL220003687	Report Date	25/11/2022	
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	PO No.4500146039 Dated :08/07/2022			
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022	
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022	
ULR No.	TC-951622000002899F			
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab		Temperature(°C)	25.3	Humidity (%) 54

## AMBIENT AIR STATION

Location of H.V.S.	Utility area in between ETP Area		
Lateral Distance	5.0 Meter from Utility area in between ETP Area		
Receptor Distance	1.5 Meters From Ground Level		
Ambient Temperature (°C)	27	Humidity (%)	43
Wind Speed (km/hr)	07	Wind Direction (deg°)	ESE, 115
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>	66	µg/m <sup>3</sup>	100.00	IS 5182 (Part 23) 2006 RA: 2017
PM <sub>2.5</sub>	31	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO <sub>2</sub>	15	µg/m <sup>3</sup>	80.00	IS 5182 (Part 2) 2001 RA: 2017
NO <sub>2</sub>	20	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	0.94	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> )	12	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 item tested & the condition prevailing at the time of sampling  
 2) PM<sub>10</sub>-Particulate Matter of size < 10 µm, PM<sub>2.5</sub>- Particulate Matter of size < 2.5 µm  
 3) NAAQS-National Ambient Air Quality Standards  
 4) Detection Limit (NH<sub>3</sub> <20 µg/m<sup>3</sup>), (Pb <0.10 µg/m<sup>3</sup>), (C<sub>6</sub>H<sub>6</sub> <4 µg/m<sup>3</sup>), (As <5 ng/m<sup>3</sup>), (Ni <5 ng/m<sup>3</sup>), (Benzo(a)Pyrene < 0.1 ng/m<sup>3</sup>)

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



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## ANALYSIS TEST REPORT

Report No.	SEETL220003686	Report Date	25/11/2022
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	PO No.4500146039 Dated :08/07/2022		
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022
ULR No.	TC-951622000002898F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.3	Humidity (%) 54

## AMBIENT AIR STATION

Location of H.V.S.	Near Nebula Security Gate		
Lateral Distance	5.0 Meter from Nebula Security Gate		
Receptor Distance	1.5 Meters From Ground Level		
Ambient Temperature (°C)	27	Humidity (%)	48
Wind Speed (km/hr)	07	Wind Direction (deg°)	ESE, 115
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>	68	µg/m <sup>3</sup>	100.00	IS 5182 (Part 23) 2006 RA: 2017
PM <sub>2.5</sub>	36	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO <sub>2</sub>	19	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	1.08	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> )	13	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 item tested & the condition prevailing at the time of sampling  
 2) PM<sub>10</sub>-Particulate Matter of size < 10 µm, PM<sub>2.5</sub>- Particulate Matter of size < 2.5 µm  
 3) NAAQS-National Ambient Air Quality Standards  
 4) Detection Limit (NH<sub>3</sub> <20 µg/m<sup>3</sup>), (Pb <0.10 µg/m<sup>3</sup>), (C<sub>6</sub>H<sub>6</sub> <4 µg/m<sup>3</sup>), (As <5 ng/m<sup>3</sup>), (Ni <5 ng/m<sup>3</sup>), (Benzo(a)Pyrene < 0.1 ng/m<sup>3</sup>)

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



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## ANALYSIS TEST REPORT

Report No.	SEETL220003688	Report Date	25/11/2022
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	PO No.4500146039 Dated :08/07/2022		
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022
ULR No.	-		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.3	Humidity (%) 54

### WORK PLACE AIR STATION

Location of H.V.S.	Powder Packing Room Area
Lateral Distance	-
Receptor Distance	1.5 Meters From Ground Level
Ambient Temperature(°C)	27
Humidity(%)	48

### POLLUTIONAL PARAMETERS

Parameters	Result	Units	OHSAS Limits	Method
Total Particulate Matter	0.014	mg/m <sup>3</sup>	15.00	IS 5182 (Part 23) 2006 RA: 2017
SO <sub>2</sub>	<0.003	mg/m <sup>3</sup>	13.00	IS 5182 (Part 2) 2001 RA: 2017
Ammonia	<0.02	mg/m <sup>3</sup>	35.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-1,2011
Formaldehyde	<0.02	mg/m <sup>3</sup>	1.5	OSHA 52

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.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



*Nilesh Nalk*  
Authorized Signatory  
Nilesh Nalk



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## ANALYSIS TEST REPORT

Report No.	SEETL220003689	Report Date	25/11/2022
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	PO No.4500146039 Dated :08/07/2022		
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022
ULR No.	TC-951622000002900F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.3	Humidity (%) 54

## DETAILS OF STACK

Attached To	HAG
Shape	Round
Diameter (mm)	450
Height From Ground Level (Mtr)	25 Mtr.
Temperature (°C)	148.00
Velocity of Flue Gases (m/sec)	4.72
Volume of Flue Gases (m <sup>3</sup> /hour)	2704.49
Type of Fuel	Natural Gas

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	<10.00	mg/Nm <sup>3</sup>	50.00	IS 11255 (Part 1):1985 RA. 2019
SO <sub>2</sub>	BDL	Kg/Day	-	IS 11255 (Part 2):1985 RA. 2019
NO <sub>2</sub>	4.00	PPM	50.00	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) BDL- Below Detection Limit (SO<sub>2</sub> < 3 mg/Nm<sup>3</sup>)



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## ANALYSIS TEST REPORT

Report No.	SEETL220003689	Report Date	25/11/2022
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	PO No.4500146039 Dated :08/07/2022		
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022
ULR No.	-		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.3	Humidity (%) 54

## DETAILS OF STACK

Attached To	HAG
Shape	Round
Diameter (mm)	450
Height From Ground Level (Mtr)	25 Mtr.
Temperature (°C)	148.00
Velocity of Flue Gases (m/sec)	4.72
Volume of Flue Gases (m <sup>3</sup> /hour)	2704.49
Type of Fuel	Natural Gas

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	Method
O <sub>2</sub>	6.8	%	EPA Method-3A 1997
CO <sub>2</sub>	8.5	%	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.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



Authorized Signatory  
Nilesh Naik



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## ANALYSIS TEST REPORT

Report No.	SEETL220003690	Report Date:	25/11/2022	
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	PO No.4500146039 Dated :08/07/2022			
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022	
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022	
ULR No.	TC-951622000002901F			
Sample Collected By	SEETL Representative	Sampling SQP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	25.3	Humidity (%)	54

## DETAILS OF STACK

Attached To	DG 1000 KVA
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	6.0 Mtr. Above the roof
Temperature (°C)	151.00
Velocity of Flue Gases (m/sec)	11.41
Volume of Flue Gases (m <sup>3</sup> /hour)	726.02
Type of Fuel	HSD

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	30	mg/Nm <sup>3</sup>	50.00	IS 11255 (Part 1):1985 RA. 2019
SO <sub>2</sub>	0.2	Kg/Day	0.9	IS 11255 (Part 2):1985 RA. 2019
NO <sub>2</sub>	7.8	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.



*Trupti Mayekar*  
Authorized Signatory  
Trupti Mayekar



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## ANALYSIS TEST REPORT

Report No.	SEETL220003690	Report Date	25/11/2022	
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	PO No.4500146039 Dated :08/07/2022			
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022	
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022	
ULR No.	-			
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	25.3	Humidity (%)	54

## DETAILS OF STACK

Attached To	DG 1000 KVA
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	6.0 Mtr. Above the roof
Temperature (°C)	151.00
Velocity of Flue Gases (m/sec)	11.41
Volume of Flue Gases (m <sup>3</sup> /hour)	726.02
Type of Fuel	HSD

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	Method
O <sub>2</sub>	7.2	%	EPA Method-3A 1997
CO <sub>2</sub>	9.3	%	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.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



Authorized Signatory  
Nilesh Naik

Format No. SEETL/LD/F-72

Page 2 of 2

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# Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Waghe Industrial Area, Thane - 400 604, Maharashtra State, India.  
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## ANALYSIS TEST REPORT

Report No.	SEETL220003691	Report Date	25/11/2022		
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	PO No.4500146039 Dated :08/07/2022				
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022		
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022		
ULR No.	TC-951622000002902F				
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32		
Environmental Condition of Lab		Temperature(°C)	25.3	Humidity (%)	54

## DETAILS OF STACK

Attached To	Needle Plant Blower
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	15 Mtr.
Temperature (°C)	38.00
Velocity of Flue Gases (m/sec)	3.51
Volume of Flue Gases (m <sup>3</sup> /hour)	223.00
Type of Fuel	Electricity

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	26	mg/Nm <sup>3</sup>	50.00	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



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## ANALYSIS TEST REPORT

Report No.	SEETL220003691	Report Date	25/11/2022	
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	PO No.4500146039 Dated :08/07/2022			
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022	
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022	
ULR No.	-			
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	25.3	Humidity (%)	54

## DETAILS OF STACK

Attached To	Needle Plant Blower
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	15 Mtr.
Temperature (°C)	38.00
Velocity of Flue Gases (m/sec)	3.51
Volume of Flue Gases (m <sup>3</sup> /hour)	223.00
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.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



Authorized Signatory  
Nilesh Naik





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## ANALYSIS TEST REPORT

Report No.	SEETL220003692	Report Date	25/11/2022
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	PO No.4500146039 Dated :08/07/2022		
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022
ULR No.	TC-951622000002903F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.3	Humidity (%) 54

## DETAILS OF STACK

Attached To	SDP Plant Blower
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	15 Mtr.
Temperature (°C)	40.00
Velocity of Flue Gases (m/sec)	4.42
Volume of Flue Gases (m <sup>3</sup> /hour)	281.10
Type of Fuel	Electricity

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	35	mg/Nm <sup>3</sup>	50.00	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



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## ANALYSIS TEST REPORT

Report No.	SEETL220003692	Report Date	25/11/2022	
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	PO No.4500146039 Dated :08/07/2022			
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022	
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022	
ULR No.	-			
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	25.3	Humidity (%)	54

## DETAILS OF STACK

Attached To	SDP Plant Blower
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	15 Mtr.
Temperature (°C)	40.00
Velocity of Flue Gases (m/sec)	4.42
Volume of Flue Gases (m <sup>3</sup> /hour)	281.10
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.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



Authorized Signatory  
Nilesh Naik



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## ANALYSIS TEST REPORT

Report No.	SEETL220003693	Report Date	25/11/2022
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	PO No.4500146039 Dated :08/07/2022		
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022
ULR No.	TC-951622000002904F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.3	Humidity (%) 54

## DETAILS OF STACK

Attached To	Spray Dryer (Powder Blower SDP Chimney)
Shape	Round
Diameter (mm)	520
Height From Ground Level (Mtr)	25 Mtr.
Temperature (°C)	75.00
Velocity of Flue Gases (m/sec)	2.22
Volume of Flue Gases (m <sup>3</sup> /hour)	1696.89
Type of Fuel	Electricity

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	32	mg/Nm <sup>3</sup>	50.00	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.  
4) ND- Not Detected.



*Trupti Mayekar*  
Authorized Signatory  
Trupti Mayekar



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## ANALYSIS TEST REPORT

Report No.	SEETL220003693	Report Date	25/11/2022	
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	PO No.4500146039 Dated :08/07/2022			
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022	
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022	
ULR No.	-			
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	25.3	Humidity (%)	54

### DETAILS OF STACK

Attached To	Spray Dryer (Powder Blower SDP Chimney)		
Shape	Round		
Diameter (mm)	520		
Height From Ground Level (Mtr)	25 Mtr.		
Temperature (°C)	75.00		
Velocity of Flue Gases (m/sec)	2.22		
Volume of Flue Gases (m <sup>3</sup> /hour)	1696.89		
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.  
4) ND- Not Detected.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



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Nilesh Naik

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## ANALYSIS TEST REPORT

Report No.	SEETL220003694	Report Date	25/11/2022
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	PO No.4500146039 Dated :08/07/2022		
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022
ULR No.	-		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.3	Humidity (%) 54

## DETAILS OF STACK

Attached To	Chlorination Reactor Vent (Scrubber)
Shape	Round
Diameter (mm)	0.075
Height From Ground Level (Mtr)	12 Mtr.
Temperature (°C)	35.00
Velocity of Flue Gases (m/sec)	4.62
Volume of Flue Gases (m <sup>3</sup> /hour)	73.41
Type of Fuel	Electricity

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
Acid Mist	16	mg/Nm <sup>3</sup>	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.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



*Nilesh Naik*  
Authorized Signatory  
Nilesh Naik

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## ANALYSIS TEST REPORT

Report No.	SEETL220003695	Report Date	25/11/2022	
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	PO No.4500146039 Dated :08/07/2022			
Date Of sampling	18/11/2022	Sample Receipt Date	19/11/2022	
Analysis Started on	19/11/2022	Analysis Completed On	25/11/2022	
ULR No.	-			
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	25.3	Humidity (%)	54

## DETAILS OF STACK

Attached To	Process Reactor Vent Storage tank (Scrubber)
Shape	Round
Diameter (mm)	0.15
Height From Ground Level (Mtr)	12 Mtr.
Temperature (°C)	40.00
Velocity of Flue Gases (m/sec)	4.13
Volume of Flue Gases (m <sup>3</sup> /hour)	262.84
Type of Fuel	Electricity

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
Acid Mist	20	mg/Nm <sup>3</sup>	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.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



*[Signature]*  
Authorized Signatory  
Nilesh Naik



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## ANALYSIS TEST REPORT

Report Decoding No.	SEETL220003696	Report Date	25/11/2022
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	PO No.4500146039 Dated :08/07/2022		
Date Of Monitoring	18/11/2022	Time of Sampling	Day/Night
ULR No.	TC-951622000002905F		
Monitored By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-31

### NOISE LEVEL MONITORING

Sampling Location (From 1 meter away)	Noise Levels in dB(A) Leq* (Day Time)	Noise Levels in dB(A) Leq* (Night Time)
--	--	--

### AMBIENT NOISE LEVEL MONITORING

Near Main Security Gate	68.9	66.1
Near Nebula Security Gate	67.3	62.6
DG Set Running Condition (Acoustic Closed)	70.1	67.9

Method:-IS:9989-1981 (RA 2020)

- 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) A "decibel" is a unit in which noise is measured.  
4) "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human hear.  
5) Leq: It is the energy mean of the noise level over a specified period.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



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## ANALYSIS TEST REPORT

Report Decoding No.	SEETL220003697	Report Date	25/11/2022
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	PO No.4500146039 Dated :08/07/2022		
Date Of Monitoring	18/11/2022	Time of Sampling	Day/Night
ULR No.	-		
Monitored By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-31

### NOISE LEVEL MONITORING

Sampling Location (From 1 meter away)	Noise Levels in dB(A) Leq <sup>*</sup> (Day Time)	Noise Levels in dB(A) Leq <sup>*</sup> (Night Time)
--	--	--

### WORKPLACE NOISE MONITORING

Boiler Area	73.6	68.3
Near ETP Blower Area	72.9	67.3
HAG Area	71.6	68.1
SFD Plant	72.3	67.9
Powder Packing Area	70.1	66.3
QA Lab	56.2	53.6
Vaccume Pump Area	69.6	68.0

Method:-IS:9989-1981 (RA 2020)

- NOTE: 1) \*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.  
2) A "decibel" is a unit in which noise is measured.  
3) "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human hear.  
4) Leq: It is the energy mean of the noise level over a specified period.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



Authorized Signatory  
Nilesh Naik





# 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 \* OCI-NABET Accredited EIA Consultancy



## ANALYSIS TEST REPORT

Report Number	SEETL230000081	Report Date	06/01/2023	
Name of Client	M/s. Galaxy Surfactants Limited.			
Address of Client	M Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin: 401506, Maharashtra.			
Order/Reference	P.O. No- 4500146039-Dated-08/07/2022			
Sample Collection Date	29/12/2022	Sample Receipt Date	30/12/2022	
Analysis Started On	30/12/2022	Analysis Completed On	06/01/2023	
ULR Number	TC-95162300000076F			
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/WA-62	
Environmental Condition Of Lab	Temp °C	25.5	Humidity %	55
Sampling Point	ETP			
Sample Details	I-Inlet Water	II-Outlet Water		
Sample Container	PVC Can & Glass Bottle	Sample Quantity	1000 ml + 1000 ml Each	
Sample Collected By	SEETL Representative			

### Chemical Parameters

Sr. No.	Parameters	Results		Unit	Method
		I	II		
1.	pH	6.41	7.63	-	IS 3025 (Part 11): 2022
2.	COD	3413.6	32.12	mg/lit	APHA(23 <sup>rd</sup> Edition)5220-B'-2017
3.	BOD (27°C 3 day)	985.7	9.60	mg/lit	IS 3025 (Part 44): 1993 (Reaffirmed 2019)
4.	TSS	466	<10	mg/lit	APHA(23 <sup>rd</sup> Edition)-2540-D-2017
5.	TDS	1673	55.00	mg/lit	APHA (23 <sup>rd</sup> Edition)-2540-C-2017
6.	O & G	1.00	<1.0	mg/lit	IS 3025 (Part 39/5): 2021
7.	Chlorides as Cl	392	2.50	mg/lit	APHA (23 <sup>rd</sup> Edition)-4500-Cl-B--2017
8.	Sulphate as SO <sub>4</sub>	10520	6.69	mg/lit	APHA (23 <sup>rd</sup> Edition)-4500 SO <sub>4</sub> -E-2017
9.	Phenolic Compounds	<1.0	<1	mg/lit	IS 3025 (Part 43/Sec-1 a):2022
10.	Total Hardness as CaCO <sub>3</sub>	132	12.00	mg/lit	APHA (23rd Edition ) 2340-C: 2017

Note : Test results related only to the sample tested.

: This certificate may not be reproduced in part, without the permission of this laboratory.

: Retention Period of Sample is 15 days from the date of Analysis report.

\*\*\*\*\*END OF THE REPORT\*\*\*\*\*



*Trupti Mayekar*  
 Authorized Signatory  
 Trupti Mayekar

Format No. SEETL/LD/F-72

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



# 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 preceding period April to march]

**Unique Application Number:**

MPCB-HW\_ANNUAL\_RETURN-0000029099

**Submitted On:**

25-06-2022

**Submitted for Year:**

April 2021 to March 2022

**1. Name of the generator/operator of facility** GALAXY SURFACTANTS LTD  
**Address of the unit/facility** 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. SESA SAMBA MURTY  
**Full address of authorised person** PLOT NO.G-59, TARAPUR MIDC, BOISAR

**Telephone** 9867613368  
**Fax** NA  
**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	469.38	MT/A
Chemical ,Petrochemical &Electrochemical	FATTY ALCOHOL SULPHATES ( COLOR NEEDLES)	2400.0000	1027.63	MT/A
Chemical ,Petrochemical &Electrochemical	FATTY ALCOHOL SULPHATES ( LIQUID)	576.0000	434.96	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	Spent Oil	1.500	0.300	MTA
35.1 Exhaust Air or Gas cleaning residue	Flue Gas Residue	0.400	0.350	MTA
35.3 Chemical sludge from waste water treatment	ETP Sludge	2.000	1.09	MTA

2. Quantity dispatched category wise.

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
5.1 Used or spent oil	0.300	MTA	Disposal Facility	MWML
35.1 Exhaust Air or Gas cleaning residue	0.350	MTA	Disposal Facility	MWML
35.3 Chemical sludge from waste water treatment	1.09	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

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

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

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

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

2. Quantity in stock at the beginning of the year

Waste Name/Category	Quantity	UOM
NA	NA	KL/Anum

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

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

4. Quantity of products dispatched (wherever applicable)

Name of product	Quantity	UOM
NA	NA	KL/Anum

5. Total quantity of waste generated

Waste name/category	quantity	UOM
NA	NA	KL/Anum

6. Total quantity of waste disposed

Waste name/category	quantity	UOM
NA	NA	KL/Anum

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

Waste name/category	quantity	UOM
NA	NA	KL/Anum

8. Quantity in storage at the end of the year

Waste name/category	quantity	UOM

NA

NA

KL/Anum

Personal Details

**Place**

**Date**

**Designation**

Tarapur

2022-06-25

Head - NPT & Conversion Process

PART V

Section 10

Continuation of Form No. 10 for the purpose of the Act, 1947

Form No. 10

Form No. 10

PART VI

Continuation of Form No. 10

Form No. 10

Form No. 10

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# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000050986

Submitted Date

22-10-2022

## PART A

### Company Information

<b>Company Name</b>	<b>Application UAN number</b>	
Galaxy Surfactants Ltd	0000110105	
<b>Address</b>		
G-59 MIDC Tarapur		
<b>Plot no</b>	<b>Taluka</b>	<b>Village</b>
G-59	Palghar	MIDC Tarapur
<b>Capital Investment (In lakhs)</b>	<b>Scale</b>	<b>City</b>
9763.00	LSI	Palghar
<b>Pincode</b>	<b>Person Name</b>	<b>Designation</b>
401506	Sesha Samba Murty	Factory Manager
<b>Telephone Number</b>	<b>Fax Number</b>	<b>Email</b>
7767811383	0	Seshu@galaxysurfactants.com
<b>Region</b>	<b>Industry Category</b>	<b>Industry Type</b>
SRO-Tarapur I	Red	R22 Organic Chemicals manufacturing
<b>Last Environmental statement submitted online</b>	<b>Consent Number</b>	<b>Consent Issue Date</b>
yes	Format1.0/CC/UAN No.0000110105/CR/2207000303	2022-07-06
<b>Consent Valid Upto</b>	<b>Establishment Year</b>	<b>Date of last environment statement submitted</b>
2024-04-30	1992	Sep 28 2021 12:00:00:000AM
<b>Industry Category Primary (STC Code) &amp; Secondary (STC Code)</b>		

### Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
Fatty Alcohol Sulphates/Sulfosuccinate ( Powder/Needles)	1200	469.38	MT/A
Fatty Alcohol Sulphate (Needle-Colour)	2400	1027.63	MT/A
Fatty Alcohol Sulphates/Fatty Alcohol Ether Sulphate	576	434.96	MT/A
Active preparations including anionic, cationic, amphoteric, non ionic surfactants such as fatty alcohol sulphates/Quaternary ammonium compounds/alkanol amides/Glycinates/Amineoxides/betaines/Quarter	24996	0.0	MT/A
Speciality chemicals such as polymeric conditioners, polyquats, preservatives, fatty acid esters	4992	0.0	MT/A
Sunscreens	7500	0.0	MT/A

**By-product Information**

By Product Name	Consent Quantity	Actual Quantity	UOM
0	0	0	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
Cooling	145.00	6.33
Domestic	340.00	25.56
All others	19.50	3.61
Total	18.00	3.74
	522.50	39.24

**2) Effluent Generation in CMD / MLD**

Particulars	Consent Quantity	Actual Quantity	UOM
EFFLEUNT GENERATION	122	4.5	CMD
DOMESTIC EFFLEUNT	7.6	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	0.36	0.34	MT/A
C1214 Alkyl polyglucoside	14.60	32.40	MT/A
Alkyl polyglucoside C0814	12.03	19.81	MT/A
FAS Liquid	1405.43	1440.30	MT/A
Galaxy LSS (Paste) C1216	225.09	187.23	MT/A
Citric acid (MONOHYDRATE)	0.83	1.15	MT/A
Sodium Sulfate	0.33	2.01	MT/A

**4) Fuel Consumption**

Fuel Name	Consent quantity	Actual Quantity	UOM
FO	438	114.36	MT/A
HSD	51684	3766	Kg/Annum
PNG	8000	388.44	CMD

**Part-C****Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)****[A] Water**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</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>		
pH	0	7.35	0	5.5-9.5	NA
TSS	0.044	9.75	0	<100mg/l	NA
COD	0.054	11.96	0	<250mg/l	NA
BOD	0.016	3.6	0	<100mg/l	NA
TDS	0.728	161	0	<2100mg/l	NA
O/G	0.004	0.8	0	<10mg/l	NA
CHLORIDE	0.140	31	0	<600mg/l	NA
SULPHATE	0.025	5.54	0	<1000mg/l	NA
SODIUM	0.00	0.003	0	<60%	NA
FREE AMMONIA	0.00	0.05	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)	3.29	52.5	0	<150mg/nm3	NA
SO2 (TFE)	15.05	15.05	0	NS	NA
TPM (SDE)	2.44	47	0	<150mg/nm3	NA
TPM(SDP BLOWER)	0.29	37.75	0	<150mg/nm3	NA
TPM(NEEDLE PLANT BLOWER)	0.25	40.5	0	<150mg/nm3	NA
TPM(DG)	0.81	42.5	0	<150mg/nm3	NA
SO2(DG)	5.95	5.95	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	0.600	0.300	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	0.280	0.350	MT/A
35.3 Chemical sludge from waste water treatment	1.17	1.090	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	4.825	4.365	MT/A

HDPE / METAL CONTAINERS	21	55	Nos./Y
WOODEN PALLATES	0	1641	Nos./Y

**2) From Pollution Control Facilities**

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
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	0.300	MT/A	LIQUID
35.1 Exhaust Air or Gas cleaning residue	0.350	MT/A	SOLID
35.3 Chemical sludge from waste water treatment	1.090	MT/A	SOLID

**2) Solid Waste**

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
PVC AND PAPER BAGS	4.365	MT/A	PAPER BAGS WITH PVC LINER
HDPE / METAL CONTAINERS	55	Nos./Y	NA
WOODEN PALLATES	1641	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)
Nil	Nil	0

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

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



## Part-I

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

**Particulars**

We have ZLD unit

**Name & Designation**

Sesha Samba Murty - Head NPT & Conversion Process

**UAN No:**

MPCB-ENVIRONMENT\_STATEMENT-0000050986

**Submitted On:**

22-10-2022