

31.07.2024

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 January 2024 to June 2024, 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

Received  
 02-08-2024  
SUB-REGIONAL OFFICE  
MAHARASHTRA POLLUTION CONTROL BOARD  
TARAPUR, MIDC. COLONY, BOISAR,  
TALUKA & DIST. PALGHAR, PIN 401 504.

Factory Address:  
Plot No. G-59 M.I.D.C Tarapur,  
Boisar, Tal. & Dist. Palghar,  
Pin : 401 506, Maharashtra.  
Ph : +91 - 8956915976  
+91- 8956915978  
+91- 7767811383

Regd. Office:  
C-49/2, TTC Industrial Area, Pawne,  
Navi Mumbai - 400 703, India.  
CIN No. L39877MH1986PLC039877  
Ph : +91-22-65134444 / 27616666  
Fax : +91-22-27615883 / 27615886  
E-mail : galaxy@galaxysurfactants.com  
Website : www.galaxysurfactants.com

**SIX MONTHLY COMPLIANCE REPORT**  
**PART I: DATA SHEET**  
**(Period: January 2024 – June 2024)**

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

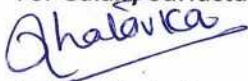
**Reference:** Environment clearance vide letter no.SEIAA-EC-0000000268 dated 04.05.2018.

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	<ol style="list-style-type: none"> <li>1. Amenity Block - 388.22 SQ.M.</li> <li>2. Dock Leveler - 24.62 SQ.M.</li> <li>3. Drum Shed - 162.45 SQ.M.</li> <li>4. Drum Yard &amp; Scrap Yard - 100.0 SQ.M.</li> <li>5. ETP - 1109.01 SQ.M.</li> <li>6. FO Tank - 47.50 SQ.M.</li> <li>7. Plant Building - 5842.46 SQ.M.</li> <li>8. Pump Room - 66.31 SQ.M.</li> <li>9. Unloading Shed - 163.16 SQ.M.</li> </ol>

		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.105.00 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 30.06.2024. (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 103.00 Crores as on 30.06.2024. (Phase 1 Capitalization – preops )+ CWIP as on as on 30 <sup>th</sup> June 2024)
	c) Actual expenditure incurred on the environmental management plans so far	Rs.10,97,43,579/- as on 30.06.2024
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

**COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE**  
**(Period: January 2024 – June 2024)**

**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 February 2024. Next Health checkup is due in August 2024
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 31 <sup>st</sup> Aug. 2024
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 600 numbers of trees and shrubs are planted around the plant periphery. Additional plantation will be done between July and Aug 2024 and will be 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 February 2024. Next Health checkup is due in August 2024.
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 waste 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 Waste 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 30.06.2024.
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 2022-2023 submitted online with the MPCB website on 26.9.2023.  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



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015 & ISO 45001:2018  
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024  
 Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: [pglab@aespl.co.in](mailto:pglab@aespl.co.in)  
 Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/02/89

Issue Date: 11/03/2024

<b>Name of Customer &amp; Contact Details</b>	:	Galaxy Surfactants Limited Mr. Vaibhav K Patil -9284704874, Email: <a href="mailto:Vaibhavk.patil@galaxysurfactants.com">Vaibhavk.patil@galaxysurfactants.com</a>		
<b>Name of Site</b>	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.		
<b>Discipline &amp; Group</b>	:	Chemical: Atmospheric Pollution		
<b>Description of sample</b>	:	Stack Emission		
<b>Sample Identification number</b>	:	ST- 24/02/89		
<b>Sample Quantity</b>	:	SO <sub>2</sub> :1Bottle; NO <sub>2</sub> :1 Bottle; Thimble-1.		
<b>Date &amp; Time of sampling</b>	:	19/02/2024, 10:00-10:28 hr.		
<b>Sampling Environmental Conditions</b>	:	Temp.:31°C; Rain fall: No; P <sub>bar</sub> :754 mmHg.		
<b>Transportation Condition</b>	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
<b>Sample Monitored &amp; Transported by</b>	:	AESPL		
<b>Date of sample receipt</b>	:	06/03/2024		
<b>Date of sample analysis</b>	:	06/03/2024 to 09/03/2024		
<b>Sampling Equipment Used</b>	:	ST-I-02		
<b>Calibration status</b>	:	25/05/2023 to 25/05/2024		
<b>Project/ Job number</b>	:	4500164166 dtd 01 July 2023		
<b>Reference of sampling</b>	:	AESPL/LAB/QR/7.3.3/R-02		
<b>Method of sampling &amp; preservation</b>	:	AESPL/LAB/SOP/7.3.1/ST-01		
<b>Environmental Condition while Testing</b>	:	Temperature: 27°C; RH-48%		
<b>A. General Information About Stack:</b>				
Stack Connected to	:	S-4, DG Set, 1000KVA,		
Emission due to	:	Combustion of Diesel		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
<b>B. Physical Characteristics of Stack:</b>				
Height of stack from ground level (m)	:	12		
Height of sampling point from ground level (m)	:	--		
Diameter of Stack at sampling point (m)	:	0.15		
Area of stack (m <sup>2</sup> )	:	0.0177		
<b>C. Analysis/ Characteristic of Stack:</b>				
Fuel used	:	Diesel		
Fuel consumption (Liter/day.)	:	--		
Details of pollution control devices attached with the stack:	:	Stack		



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Testing Laboratory is certified by ISO 9001:2015 & ISO 45001:2018  
Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024  
Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: [pplab@aespl.co.in](mailto:pplab@aespl.co.in)  
Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/02/89

Issue Date: 11/03/2024

### D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	110	--	°C	IS-11255, (part- 1,3) 2018-19
2.	Gas velocity	6.26	--	m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	257	--	Nm <sup>3</sup> /hr.	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	33.54	50	mg/Nm <sup>3</sup>	IS-11255, (part- 1,3) 2018-19
5.	Sulphur Dioxide as SO <sub>2</sub>	32.43	--	mg/Nm <sup>3</sup>	IS-11255, (part-2) 2019
6.	Sulphur Dioxide as SO <sub>2</sub>	0.20	0.9	Kg/day	IS-11255, (part-2) 2019
7.	Oxide of Nitrogen NO <sub>x</sub> as NO <sub>2</sub>	35.80	--	mg/Nm <sup>3</sup>	IS-11255, (part-7) 2017
8.	Oxygen as O <sub>2</sub>	9.4	--	%	IS 13270, 2019
9.	Carbon dioxide as CO <sub>2</sub>	10.8	--	%	IS 13270, 2019

**Conformity Statement:** The monitoring undertaken indicates that Stack Air Quality Values for Monitoring parameter are within the levels stipulated as per MPCB Consent.

#### Note:

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.



Reshma S. Patil  
(Authorized Signatory)

-End of Test Report-



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Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/02/90

Issue Date: 11/03/2024

Name of Customer & Contact Details	:	Galaxy Surfactants Limited Mr. Vaibhav K Patil -9284704874, Email: <a href="mailto:Vaibhavk.patil@galaxysurfactants.com">Vaibhavk.patil@galaxysurfactants.com</a>		
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.		
Discipline & Group	:	Chemical: Atmospheric Pollution		
Description of sample	:	Stack Emission		
Sample Identification number	:	ST- 24/02/90		
Sample Quantity	:	SO <sub>2</sub> :1Bottle; NOx:1 Bottle; Bladder-1; Thimble-1.		
Date & Time of sampling	:	19/02/2024, 11:00-11:36 hr.		
Sampling Environmental Conditions	:	Temp.:33°C; Rain fall: No; P <sub>bar</sub> :753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	06/03/2024		
Date of sample analysis	:	06/03/2024 to 09/03/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2023 to 25/05/2024		
Project/ Job number	:	4500164166 dtd 01 July 2023		
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/ST-01		
Environmental Condition while Testing	:	Temperature: 27°C; RH-40%		
<b>A. General Information About Stack:</b>				
Stack Connected to	:	S-2, Thermic Fluid Heater		
Emission due to	:	Combustion of NG		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
<b>B. Physical Characteristics of Stack:</b>				
Height of stack from ground level (m)	:	39		
Height of sampling point from ground level (m)	:	--		
Diameter of Stack at sampling point (m)	:	1.20		
Area of stack (m <sup>2</sup> )	:	1.131		
<b>C. Analysis/ Characteristic of Stack:</b>				
Fuel used	:	NG		
Fuel consumption (Liter/day.)	:	--		
Details of pollution control devices attached with the stack:	:	Stack		



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TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/02/90

Issue Date: 11/03/2024

### D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	159	--	°C	IS-11255, (part- 1,3) 2018-19
2.	Gas velocity	5.65	--	m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	15399	--	Nm <sup>3</sup> /hr.	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	19.01	50	mg/Nm <sup>3</sup>	IS-11255, (part- 1,3) 2018-19
5.	Sulphur Dioxide as SO <sub>2</sub>	<5.0	--	mg/Nm <sup>3</sup>	IS-11255, (part-2) 2019
6.	Oxide of Nitrogen NO <sub>x</sub> as NO <sub>2</sub>	58.18	--	mg/Nm <sup>3</sup>	IS-11255, (part-7) 2017
7.	Oxide of Nitrogen NO <sub>x</sub> as NO <sub>2</sub>	30.93	50	ppm	IS-11255, (part-7) 2017
8.	Oxygen as O <sub>2</sub>	8.8	--	%	IS 13270, 2019
9.	Carbon dioxide as CO <sub>2</sub>	11.0	--	%	IS 13270, 2019

**Conformity Statement:** The monitoring undertaken indicates that Stack Air Quality Values for Monitoring parameter are within the levels stipulated as per MPCB Consent.

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Reshma S. Patil  
(Authorized Signatory)

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TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/02/91

Issue Date: 11/03/2024

Name of Customer & Contact Details	:	Galaxy Surfactants Limited Mr. Vaibhav K Patil -9284704874, Email: <a href="mailto:Vaibhavk.patil@galaxysurfactants.com">Vaibhavk.patil@galaxysurfactants.com</a>		
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.		
Discipline & Group	:	Chemical: Atmospheric Pollution		
Description of sample	:	Stack Emission		
Sample Identification number	:	ST- 24/02/91		
Sample Quantity	:	SO <sub>2</sub> :1Bottle; NO <sub>2</sub> :1 Bottle; Thimble-1.		
Date & Time of sampling	:	19/02/2024, 12:00-12:30 hr.		
Sampling Environmental Conditions	:	Temp.:33°C; Rain fall: No; P <sub>bar</sub> :753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	06/03/2024		
Date of sample analysis	:	06/03/2024 to 09/03/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2023 to 25/05/2024		
Project/ Job number	:	4500164166 dtd 01 July 2023		
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/ST-01		
Environmental Condition while Testing	:	Temperature: 27°C; RH-40%		
<b>A. General Information About Stack:</b>				
Stack Connected to	:	S-2, Boiler (3TPH)		
Emission due to	:	Combustion of NG		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
<b>B. Physical Characteristics of Stack:</b>				
Height of stack from ground level (m)	:	39		
Height of sampling point from ground level (m)	:	--		
Diameter of Stack at sampling point (m)	:	1.20		
Area of stack (m <sup>2</sup> )	:	1.131		
<b>C. Analysis/ Characteristic of Stack:</b>				
Fuel used	:	NG		
Fuel consumption (Liter/day.)	:	--		
Details of pollution control devices attached with the stack:	:	Stack		



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Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: pglab@aespl.co.in  
Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/02/91

Issue Date: 11/03/2024

### D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	165	--	°C	IS-11255, (part- 1,3) 2018-19
2.	Gas velocity	5.98	--	m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	15995	--	Nm <sup>3</sup> /hr.	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	9.06	50	mg/Nm <sup>3</sup>	IS-11255, (part- 1,3) 2018-19
5.	Sulphur Dioxide as SO <sub>2</sub>	<5.0	--	mg/Nm <sup>3</sup>	IS-11255, (part-2) 2019
6.	Oxide of Nitrogen NO <sub>x</sub> as NO <sub>2</sub>	67.08	--	mg/Nm <sup>3</sup>	IS-11255, (part-7) 2017
7.	Oxide of Nitrogen NO <sub>x</sub> as NO <sub>2</sub>	35.66	50	ppm	IS-11255, (part-7) 2017
8.	Oxygen as O <sub>2</sub>	7.8	--	%	IS 13270, 2019
9.	Carbon dioxide as CO <sub>2</sub>	11.4	--	%	IS 13270, 2019

**Conformity Statement:** The monitoring undertaken indicates that Stack Air Quality Values for Monitoring parameter are within the levels stipulated as per MPCB Consent.

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Reshma S. Patil  
(Authorized Signatory)

-End of Test Report-



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TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/02/92

Issue Date: 11/03/2024

Name of Customer & Contact Details	:	Galaxy Surfactants Limited Mr. Vaibhav K Patil -9284704874, Email: <a href="mailto:Vaibhavk.patil@galaxysurfactants.com">Vaibhavk.patil@galaxysurfactants.com</a>		
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.		
Discipline & Group	:	Chemical: Atmospheric Pollution		
Description of sample	:	Stack Emission		
Sample Identification number	:	ST- 24/02/92		
Sample Quantity	:	SO <sub>2</sub> :1Bottle; NOx:1 Bottle; Bladder-1; Thimble-1.		
Date & Time of sampling	:	19/02/2024, 13:00-13:32 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P <sub>bar</sub> :753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	06/03/2024		
Date of sample analysis	:	06/03/2024 to 09/03/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2023 to 25/05/2024		
Project/ Job number	:	4500164166 dtd 01 July 2023		
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/ST-01		
Environmental Condition while Testing	:	Temperature: 27°C; RH-40%		
<b>A. General Information About Stack:</b>				
Stack Connected to	:	S-1, Thermic Fluid Heater		
Emission due to	:	Combustion of NG		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
<b>B. Physical Characteristics of Stack:</b>				
Height of stack from ground level (m)	:	25		
Height of sampling point from ground level (m)	:	--		
Diameter of Stack at sampling point (m)	:	0.45		
Area of stack (m <sup>2</sup> )	:	0.1589		
<b>C. Analysis/ Characteristic of Stack:</b>				
Fuel used	:	NG		
Fuel consumption (Liter/day.)	:	--		
Details of pollution control devices attached with the stack:	:	Stack		





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TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/02/92

Issue Date: 11/03/2024

### D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	133	--	°C	IS-11255, (part- 1,3) 2018-19
2.	Gas velocity	5.39	--	m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	2189	--	Nm <sup>3</sup> /hr.	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	8.03	50	mg/Nm <sup>3</sup>	IS-11255, (part- 1,3) 2018-19
5.	Sulphur Dioxide as SO <sub>2</sub>	<5.0	--	mg/Nm <sup>3</sup>	IS-11255, (part-2) 2019
6.	Oxide of Nitrogen NO <sub>x</sub> as NO <sub>2</sub>	48.00	--	mg/Nm <sup>3</sup>	IS-11255, (part-7) 2017
7.	Oxide of Nitrogen NO <sub>x</sub> as NO <sub>2</sub>	25.52	50	ppm	IS-11255, (part-7) 2017
8.	Oxygen as O <sub>2</sub>	7.40	--	%	IS 13270, 2019
9.	Carbon dioxide as CO <sub>2</sub>	11.6	--	%	IS 13270, 2019

**Conformity Statement:** The monitoring undertaken indicates that Stack Air Quality Values for Monitoring parameter are within the levels stipulated as per MPCB Consent.

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(Authorized Signatory)

-End of Test Report-



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TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/02/93

Issue Date: 11/03/2024

Name of Customer & Contact Details	:	Galaxy Surfactants Limited Mr. Vaibhav K Patil -9284704874, Email: <a href="mailto:Vaibhavk.patil@galaxysurfactants.com">Vaibhavk.patil@galaxysurfactants.com</a>		
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.		
Discipline & Group	:	Chemical: Atmospheric Pollution		
Description of sample	:	Stack Emission		
Sample Identification number	:	ST- 24/02/93		
Sample Quantity	:	SO <sub>2</sub> :1Bottle; NO <sub>2</sub> :1 Bottle; Thimble-1.		
Date & Time of sampling	:	19/02/2024, 14:00-14:20 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P <sub>bar</sub> :753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	06/03/2024		
Date of sample analysis	:	06/03/2024 to 09/03/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2023 to 25/05/2024		
Project/ Job number	:	4500164166 dtd 01 July 2023		
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/ST-01		
Environmental Condition while Testing	:	Temperature: 27°C; RH-40%		
<b>A. General Information About Stack:</b>				
Stack Connected to	:	S7, Packing Section dust Exhaust SDP		
Emission due to	:	Process Activity		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
<b>B. Physical Characteristics of Stack:</b>				
Height of stack from ground level (m)	:	15		
Height of sampling point from ground level (m)	:	--		
Diameter of Stack at sampling point (m)	:	0.15		
Area of stack (m <sup>2</sup> )	:	0.017		
<b>C. Analysis/ Characteristic of Stack:</b>				
Fuel used	:	NA.		
Fuel consumption (Liter/day.)	:	NA.		
Details of pollution control devices attached with the stack:	:	Fabric Bag Filter		



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Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/02/93

Issue Date: 11/03/2024

### D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	34	--	°C	IS-11255, (part- 1,3) 2018-19
2.	Gas velocity	5.90	--	m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	362.34	--	Nm <sup>3</sup> /hr.	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	13.88	50	mg/Nm <sup>3</sup>	IS-11255, (part- 1,3) 2018-19
5.	Sulphur Dioxide as SO <sub>2</sub>	<5.00	--	mg/Nm <sup>3</sup>	IS-11255, (part-2) 2019
6.	Oxide of Nitrogen NO <sub>x</sub> as NO <sub>2</sub>	<9.00	--	mg/Nm <sup>3</sup>	IS-11255, (part-7) 2017
7.	Oxygen as O <sub>2</sub>	19.40	--	%	IS 13270, 2019
8.	Carbon dioxide as CO <sub>2</sub>	<0.2	--	%	IS 13270, 2019

**Conformity Statement:** The monitoring undertaken indicates that Stack Air Quality Values for Monitoring parameter are within the levels stipulated as per MPCB Consent.

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(Authorized Signatory)

-End of Test Report-



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TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/02/94

Issue Date: 11/03/2024

Name of Customer & Contact Details	:	Galaxy Surfactants Limited Mr. Vaibhav K Patil -9284704874, Email: <a href="mailto:Vaibhavk.patil@galaxysurfactants.com">Vaibhavk.patil@galaxysurfactants.com</a>		
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.		
Discipline & Group	:	Chemical: Atmospheric Pollution		
Description of sample	:	Stack Emission		
Sample Identification number	:	ST- 24/02/94		
Sample Quantity	:	SO <sub>2</sub> :1Bottle; NO <sub>2</sub> :1 Bottle; Thimble-1.		
Date & Time of sampling	:	19/02/2024, 15:00-15:20 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P <sub>bar</sub> :753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	06/03/2024		
Date of sample analysis	:	06/03/2024 to 09/03/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2023 to 25/05/2024		
Project/ Job number	:	4500164166 dtd 01 July 2023		
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/ST-01		
Environmental Condition while Testing	:	Temperature: 29°C; RH-46.1%		
<b>A. General Information About Stack:</b>				
Stack Connected to	:	S6, Spray dryer plant vent		
Emission due to	:	Process Activity		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
<b>B. Physical Characteristics of Stack:</b>				
Height of stack from ground level (m)	:	25		
Height of sampling point from ground level (m)	:	--		
Diameter of Stack at sampling point (m)	:	0.52		
Area of stack (m <sup>2</sup> )	:	0.212		
<b>C. Analysis/ Characteristic of Stack:</b>				
Fuel used	:	NA.		
Fuel consumption (Liter/day.)	:	NA.		
Details of pollution control devices attached with the stack:	:	Multi Cyclone		



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TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST-24/02/94

Issue Date: 11/03/2024

### D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	65	--	°C	IS-11255, (part-1,3) 2018-19
2.	Gas velocity	12.54	--	m/s	IS-11255, (part-1,3) 2018-19
3.	Gas flow rate	8126	--	Nm <sup>3</sup> /hr.	IS-11255, (part-1,3) 2018-19
4.	Particulate Matter	37.23	50	mg/Nm <sup>3</sup>	IS-11255, (part-1,3) 2018-19
5.	Sulphur Dioxide as SO <sub>2</sub>	<5.00	--	mg/Nm <sup>3</sup>	IS-11255, (part-2) 2019
6.	Oxide of Nitrogen NO <sub>x</sub> as NO <sub>2</sub>	14.54	--	mg/Nm <sup>3</sup>	IS-11255, (part-7) 2017
7.	Oxide of Nitrogen NO <sub>x</sub> as NO <sub>2</sub>	7.73	--	ppm	IS-11255, (part-7) 2017
8.	Oxygen as O <sub>2</sub>	15.2	--	%	IS 13270, 2019
9.	Carbon dioxide as CO <sub>2</sub>	4.8	--	%	IS 13270, 2019

**Conformity Statement:** The monitoring undertaken indicates that Stack Air Quality Values for Monitoring parameter are within the levels stipulated as per MPCB Consent.

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(Authorized Signatory)

-End of Test Report-



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TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/02/95

Issue Date: 11/03/2024

Name of Customer & Contact Details	:	Galaxy Surfactants Limited Mr. Vaibhav K Patil -9284704874, Email: <a href="mailto:Vaibhavk.patil@galaxysurfactants.com">Vaibhavk.patil@galaxysurfactants.com</a>		
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.		
Discipline & Group	:	Chemical: Atmospheric Pollution		
Description of sample	:	Stack Emission		
Sample Identification number	:	ST- 24/02/95		
Sample Quantity	:	SO <sub>2</sub> :1Bottle; NO <sub>2</sub> :1 Bottle; Thimble-1.		
Date & Time of sampling	:	20/02/2024, 09:30-09:50 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P <sub>bar</sub> :753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	06/03/2024		
Date of sample analysis	:	06/03/2024 to 09/03/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2023 to 25/05/2024		
Project/ Job number	:	4500164166 dtd 01 July 2023		
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/ST-01		
Environmental Condition while Testing	:	Temperature: 27°C; RH-40%		
<b>A. General Information About Stack:</b>				
Stack Connected to	:	S11, ATFD Vent D		
Emission due to	:	Process Activity		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
<b>B. Physical Characteristics of Stack:</b>				
Height of stack from ground level (m)	:	12		
Height of sampling point from ground level (m)	:	--		
Diameter of Stack at sampling point (m)	:	0.10		
Area of stack (m <sup>2</sup> )	:	0.008		
<b>C. Analysis/ Characteristic of Stack:</b>				
Fuel used	:	NA.		
Fuel consumption (Liter/day.)	:	NA.		
Details of pollution control devices attached with the stack:	:	Scrubber		



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TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/02/95

Issue Date: 11/03/2024

### D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	34	--	°C	IS-11255, (part- 1,3) 2018-19
2.	Gas velocity	7.14	--	m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	195	--	Nm <sup>3</sup> /hr.	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	12.53	50	mg/Nm <sup>3</sup>	IS-11255, (part- 1,3) 2018-19
5.	Sulphur Dioxide as SO <sub>2</sub>	<5.00	--	mg/Nm <sup>3</sup>	IS-11255, (part-2) 2019
6.	Oxide of Nitrogen NO <sub>x</sub> as NO <sub>2</sub>	<9.00	--	mg/Nm <sup>3</sup>	IS-11255, (part-7) 2017
7.	Oxygen as O <sub>2</sub>	19.2	--	%	IS 13270, 2019
8.	Carbon dioxide as CO <sub>2</sub>	<0.2	--	%	IS 13270, 2019

**Conformity Statement:** The monitoring undertaken indicates that Stack Air Quality Values for Monitoring parameter are within the levels stipulated as per MPCB Consent.

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(Authorized Signatory)

-End of Test Report-



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TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/02/96

Issue Date: 11/03/2024

Name of Customer & Contact Details	:	Galaxy Surfactants Limited Mr. Vaibhav K Patil -9284704874, Email: <a href="mailto:Vaibhavk.patil@galaxysurfactants.com">Vaibhavk.patil@galaxysurfactants.com</a>		
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.		
Discipline & Group	:	Chemical: Atmospheric Pollution		
Description of sample	:	Stack Emission		
Sample Identification number	:	ST- 24/02/96		
Sample Quantity	:	SO <sub>2</sub> :1Bottle; NO <sub>2</sub> :1 Bottle; Thimble-1.		
Date & Time of sampling	:	20/02/2024, 10:30-10:50 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P <sub>bar</sub> :753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	06/03/2024		
Date of sample analysis	:	06/03/2024 to 09/03/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2023 to 25/05/2024		
Project/ Job number	:	4500164166 dtd 01 July 2023		
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/ST-01		
Environmental Condition while Testing	:	Temperature: 27°C; RH-40%		
<b>A. General Information About Stack:</b>				
Stack Connected to	:	Needle plant blower		
Emission due to	:	Process Activity		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
<b>B. Physical Characteristics of Stack:</b>				
Height of stack from ground level (m)	:	15		
Height of sampling point from ground level (m)	:	--		
Diameter of Stack at sampling point (m)	:	0.15		
Area of stack (m <sup>2</sup> )	:	0.0176		
<b>C. Analysis/ Characteristic of Stack:</b>				
Fuel used	:	No		
Fuel consumption (Liter/day.)	:	No		
Details of pollution control devices attached with the stack:	:	--		





# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024  
Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: [pglab@aespl.co.in](mailto:pglab@aespl.co.in)  
Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST-24/02/96

Issue Date: 11/03/2024

### D. Result of Sampling & Analysis of Gaseous Emission:

Sl. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	33	--	°C	IS-11255, (part- 1,3) 2018-19
2.	Gas velocity	6.39	--	m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	393	--	Nm <sup>3</sup> /hr.	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	20.85	50	mg/Nm <sup>3</sup>	IS-11255, (part- 1,3) 2018-19
5.	Sulphur Dioxide as SO <sub>2</sub>	<5.00	--	mg/Nm <sup>3</sup>	IS-11255, (part-2) 2019
6.	Oxide of Nitrogen NO <sub>x</sub> as NO <sub>2</sub>	<9.00	--	mg/Nm <sup>3</sup>	IS-11255, (part-7) 2017
7.	Oxygen as O <sub>2</sub>	19.2	--	%	IS 13270, 2019
8.	Carbon dioxide as CO <sub>2</sub>	<0.20	--	%	IS 13270, 2019

**Conformity Statement:** The monitoring undertaken indicates that Stack Air Quality Values for Monitoring parameter are within the levels stipulated as per MPCB Consent.

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Reshma S. Patil  
(Authorized Signatory)

-End of Test Report-



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TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/02/97

Issue Date: 11/03/2024

Name of Customer & Contact Details	:	Galaxy Surfactants Limited Mr. Vaibhav K Patil -9284704874, Email: <a href="mailto:Vaibhavk.patil@galaxysurfactants.com">Vaibhavk.patil@galaxysurfactants.com</a>		
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.		
Discipline & Group	:	Chemical: Atmospheric Pollution		
Description of sample	:	Stack Emission		
Sample Identification number	:	ST- 24/02/97		
Sample Quantity	:	SO <sub>2</sub> :1Bottle; NO <sub>2</sub> :1 Bottle; Thimble-1.		
Date & Time of sampling	:	19/02/2024, 11:30-11:48 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P <sub>bar</sub> :753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	06/03/2024		
Date of sample analysis	:	06/03/2024 to 09/03/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2023 to 25/05/2024		
Project/ Job number	:	4500164166 dtd 01 July 2023		
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/ST-01		
Environmental Condition while Testing	:	Temperature: 27°C; RH-40%		
<b>A. General Information About Stack:</b>				
Stack Connected to	:	S12, Sludge Dryer Vent F		
Emission due to	:	Process Activity		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
<b>B. Physical Characteristics of Stack:</b>				
Height of stack from ground level (m)	:	12		
Height of sampling point from ground level (m)	:	--		
Diameter of Stack at sampling point (m)	:	0.15		
Area of stack (m <sup>2</sup> )	:	0.0176		
<b>C. Analysis/ Characteristic of Stack:</b>				
Fuel used	:	NA.		
Fuel consumption (Liter/day.)	:	NA.		
Details of pollution control devices attached with the stack:	:	Scrubber		



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Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/02/97

Issue Date: 11/03/2024

### D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	31	--	°C	IS-11255, (part- 1,3) 2018-19
2.	Gas velocity	7.90	--	m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	487.65	--	Nm <sup>3</sup> /hr.	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	12.80	50	mg/Nm <sup>3</sup>	IS-11255, (part- 1,3) 2018-19
5.	Sulphur Dioxide as SO <sub>2</sub>	<5.00	--	mg/Nm <sup>3</sup>	IS-11255, (part-2) 2019
6.	Oxide of Nitrogen NO <sub>x</sub> as NO <sub>2</sub>	<9.00	--	mg/Nm <sup>3</sup>	IS-11255, (part-7) 2017
7.	Oxygen as O <sub>2</sub>	19.6	--	%	IS 13270, 2019
8.	Carbon dioxide as CO <sub>2</sub>	<0.20	--	%	IS 13270, 2019

**Conformity Statement:** The monitoring undertaken indicates that Stack Air Quality Values for Monitoring parameter are within the levels stipulated as per MPCB Consent.

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Reshma S. Patil  
(Authorized Signatory)

-End of Test Report-



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Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/02/98

Issue Date: 11/03/2024

<b>Name of Customer &amp; Contact Details</b>	:	Galaxy Surfactants Limited Mr. Vaibhav K Patil -9284704874, Email: <a href="mailto:Vaibhavk.patil@galaxysurfactants.com">Vaibhavk.patil@galaxysurfactants.com</a>		
<b>Name of Site</b>	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.		
<b>Discipline &amp; Group</b>	:	Chemical: Atmospheric Pollution		
<b>Description of sample</b>	:	Stack Emission		
<b>Sample Identification number</b>	:	ST- 24/02/98		
<b>Sample Quantity</b>	:	Acid Mist:1Bottle;		
<b>Date &amp; Time of sampling</b>	:	19/02/2024, 12:30-13:00 hr.		
<b>Sampling Environmental Conditions</b>	:	Temp.:31°C; Rain fall: No; P <sub>bar</sub> :753 mmHg.		
<b>Transportation Condition</b>	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
<b>Sample Monitored &amp; Transported by</b>	:	AESPL		
<b>Date of sample receipt</b>	:	06/03/2024		
<b>Date of sample analysis</b>	:	06/03/2024 to 09/03/2024		
<b>Sampling Equipment Used</b>	:	ST-I-02		
<b>Calibration status</b>	:	25/05/2023 to 25/05/2024		
<b>Project/ Job number</b>	:	4500164166 dtd 01 July 2023		
<b>Reference of sampling</b>	:	AESPL/LAB/QR/7.3.3/R-02		
<b>Method of sampling &amp; preservation</b>	:	AESPL/LAB/SOP/7.3.1/ST-01		
<b>Environmental Condition while Testing</b>	:	Temperature: 27°C; RH-40%		
<b>A. General Information About Stack:</b>				
Stack Connected to	:	S-9, Process Reactor Vent K		
Emission due to	:	Process Activity		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
<b>B. Physical Characteristics of Stack:</b>				
Height of stack from ground level (m)	:	12		
Height of sampling point from ground level (m)	:	--		
Diameter of Stack at sampling point (m)	:	0.10		
Area of stack (m <sup>2</sup> )	:	0.008		
<b>C. Analysis/ Characteristic of Stack:</b>				
Fuel used	:	--		
Fuel consumption (Liter/day.)	:	--		
Details of pollution control devices attached with the stack:	:	Ventury Scrubber		



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Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/02/98

Issue Date: 11/03/2024

### D. Result of Sampling & Analysis of Gaseous Emission:

Sl. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	31	--	°C	IS-11255, (part- 1,3) 2018-19
2.	Acid Mist	8.16	35	mg/Nm <sup>3</sup>	EPA-450/2-77-019: 2019
3.	Carbon dioxide as CO <sub>2</sub>	<0.2	--	%	IS 13270, 2019

**Conformity Statement:** The monitoring undertaken indicates that Stack Air Quality Values for Monitoring parameter are within the levels stipulated as per MPCB Consent.

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(Authorized Signatory)

-End of Test Report-



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Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/02/99

Issue Date: 11/03/2024

Name of Customer & Contact Details	:	Galaxy Surfactants Limited Mr. Vaibhav K Patil -9284704874, Email: <a href="mailto:Vaibhavk.patil@galaxysurfactants.com">Vaibhavk.patil@galaxysurfactants.com</a>		
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.		
Discipline & Group	:	Chemical: Atmospheric Pollution		
Description of sample	:	Stack Emission		
Sample Identification number	:	ST- 24/02/99		
Sample Quantity	:	Acid Mist:1Bottle;		
Date & Time of sampling	:	19/02/2024, 13:30-14:00 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P <sub>bar</sub> :753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	06/03/2024		
Date of sample analysis	:	06/03/2024 to 09/03/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2023 to 25/05/2024		
Project/ Job number	:	4500164166 dtd 01 July 2023		
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/ST-01		
Environmental Condition while Testing	:	Temperature: 27°C; RH-48%		
<b>A. General Information About Stack:</b>				
Stack Connected to	:	S-8, Process Reactor Vent & Storage Tank		
Emission due to	:	Process Activity		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
<b>B. Physical Characteristics of Stack:</b>				
Height of stack from ground level (m)	:	12		
Height of sampling point from ground level (m)	:	--		
Diameter of Stack at sampling point (m)	:	0.10		
Area of stack (m <sup>2</sup> )	:	0.008		
<b>C. Analysis/ Characteristic of Stack:</b>				
Fuel used	:	NA.		
Fuel consumption (Liter/day.)	:	NA.		
Details of pollution control devices attached with the stack:	:	4 Stage Water & Caustic Scrubber		



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TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/02/99

Issue Date: 11/03/2024

### D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	30	--	°C	IS-11255, (part- 1,3) 2018-19
2.	Acid Mist	10.2	35	mg/Nm <sup>3</sup>	EPA-450/2-77-019: 2019
3.	Carbon dioxide as CO <sub>2</sub>	<0.2	--	%	IS 13270, 2019

**Conformity Statement:** The monitoring undertaken indicates that Stack Air Quality Values for Monitoring parameter are within the levels stipulated as per MPCB Consent.

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Reshma S. Patil  
(Authorized Signatory)

-End of Test Report-



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Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/02/100

Issue Date: 11/03/2023

Name of Customer & Contact Details	:	Galaxy Surfactants Limited Mr. Vaibhav K Patil -9284704874, Email: <a href="mailto:Vaibhavk.patil@galaxysurfactants.com">Vaibhavk.patil@galaxysurfactants.com</a>		
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.		
Discipline & Group	:	Chemical: Atmospheric Pollution		
Description of sample	:	Stack Emission		
Sample Identification number	:	ST- 24/02/100		
Sample Quantity	:	Acid mist 1.		
Date & Time of sampling	:	19/02/2024, 15:00-15:30 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P <sub>bar</sub> :753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	06/03/2024		
Date of sample analysis	:	06/03/2024 to 09/03/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2023 to 25/05/2024		
Project/ Job number	:	4500164166 dtd 01 July 2023		
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/ST-01		
Environmental Condition while Testing	:	Temperature: 27°C; RH-48%		
<b>A. General Information About Stack:</b>				
Stack Connected to	:	S-5, Chlorination Reactor Vent		
Emission due to	:	Process Activity		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
<b>B. Physical Characteristics of Stack:</b>				
Height of stack from ground level (m)	:	12		
Height of sampling point from ground level (m)	:	--		
Diameter of Stack at sampling point (m)	:	0.08		
Area of stack (m <sup>2</sup> )	:	0.005		
<b>C. Analysis/ Characteristic of Stack:</b>				
Fuel used	:	--		
Fuel consumption (Liter/day.)	:	--		
Details of pollution control devices attached with the stack:	:	4 Stage Water & Caustic Scrubber		





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TC-7085

## Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/02/100

Issue Date: 11/03/2024

### D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	30	--	°C	IS-11255, (part- 1,3) 2018-19
2.	Acid Mist	12.24	35	mg/Nm <sup>3</sup>	EPA-450/2-77-019: 2019
3.	Carbon dioxide as CO <sub>2</sub>	< 0.2	--	%	IS 13270, 2019

**Conformity Statement:** The monitoring undertaken indicates that Stack Air Quality Values for Monitoring parameter are within the levels stipulated as per MPCB Consent.

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**Reshma S. Patil**  
(Authorized Signatory)

-End of Test Report-



# 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-0000045098

**Submitted On:**

13-06-2024

**Industry Type :**

Generator

**Submitted for Year:**

2024

**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**

Format1.0/CC/UAN No.0000110105/CR/2207000303

**Date of issue**

Jul 6, 2022

**Date of validity of consent**

Apr 30, 2024

**2. Name of the authorised person**

MR. RAJESH B. KHATAVKAR

**Full address of authorised person**

PLOT NO.G-59, TARAPUR MIDC, BOISAR

**Telephone**

8976778210

**Fax**

NA

**Email**

Galaxy-G59@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	660.22	MT/A
Chemical ,Petrochemical &Electrochemical	FATTY ALCOHOL SULPHATES ( COLOR NEEDLES)	2400.0000	1018.69	MT/A
Chemical ,Petrochemical &Electrochemical	FATTY ALCOHOL SULPHATES ( LIQUID)	576.0000	453	MT/A
Chemical ,Petrochemical &Electrochemical	ACTIVE PREPARATIONS INCLUDING ANIONIC, CATIONIC, AMPHOTERIC, NON IONIC SURFACTANTS SUCH AS FATTY ALCOHOL SULPHATES/ QUATERNARY AMMONIUM COMPOUNDS / ALKANOL AMIDES / GLYGINATES / AMINEOXIDES / BETAINES / QUATERNARY AMMONIUM COMPOUNDS AND SURFACTANT BLENDS	24996.0000	388.51	MT/A
Chemical ,Petrochemical &Electrochemical	SPECIALITY CHEMICALS SUCH AS POLYMERIC CONDITIONERS , POLYQUATS , PRESERVATIVES , FATTY ACID ESTERS	4992.0000	91.48	MT/A
Chemical ,Petrochemical &Electrochemical	SUNSCREENS	7500.0000	14.28	MT/A

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

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

Type of hazardous waste	Wate Name	Consented Quantity	Quantity	UOM
5.1 Used or spent oil	Spent Oil	1.500	0.297	MTA
5.2 Wastes or residues containing oil	Waste or residues containing oil	2.000	1.465	MTA

20.2 Spent solvents	Spent solvent	6.000	0	MTA
20.3 Distillation residues	Distillation residue	410.000	0.911	MTA
28.1 Process Residue and wastes	Process residue	2.000	1.564	MTA
28.2 Spent catalyst	Spent catalyst	2.000	0	MTA
28.3 Spent carbon	Spent carbon	2.000	0	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty barrels/container	10.000	0	MTA
35.2 Spent ion exchange resin containing toxic metals	spent ion exchange	1.000	0	MTA
35.3 Chemical sludge from waste water treatment	ETP Sludge	15.000	3.098	MTA
28.3 Spent carbon	DILUTE ACETIC ACID [ON 100% BASIS]	840.000	0	MTA
28.3 Spent carbon	REC. METHANOL	180.000	0	MTA
28.3 Spent carbon	HCl SOLUTION (APPROX. 30%)	2100.000	0	MTA
28.3 Spent carbon	SODIUM BISULFITE SOLUTION / SODIUM BISULFATE / SODIUM SULPHITE [APPROX 30%]	3000.000	0	MTA
28.3 Spent carbon	SODIUM CHLORIDE [ON 100% BASIS]	300.000	0	MTA
37.3 Concentration or evaporation residues	MEE Salts	60.000	7.275	MTA
37.2 Ash from incinerator and flue gas cleaning residue	Flue gas cleaning residue	0.900	0	MTA
Other Hazardous Waste	Insulation Material (One time disposal)	0.000	0	MTA

2. Quantity dispatched category wise.

<b>Type of Waste</b>	<b>Quantity of waste</b>	<b>UOM</b>	<b>Dispatched to</b>	<b>Facility Name</b>
5.1 Used or spent oil	0.279	MTA	Disposal Facility	MWML
37.2 Ash from incinerator and flue gas cleaning residue	0.0	MTA	Disposal Facility	MWML
35.3 Chemical sludge from waste water treatment	2.304	MTA	Disposal Facility	MWML
37.3 Concentration or evaporation residues	6.900	MTA	Disposal Facility	MWML
5.2 Wastes or residues containing oil	0.529	MTA	Disposal Facility	MWML
20.2 Spent solvents	0.0	MTA	Disposal Facility	MWML
20.3 Distillation residues	0.565	MTA	Disposal Facility	MWML
28.1 Process Residue and wastes	1.051	MTA	Disposal Facility	MWML
28.2 Spent catalyst	0.0	MTA	Disposal Facility	MWML
28.3 Spent carbon	0.0	MTA	Disposal Facility	MWML
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0.0	MTA	Disposal Facility	MWML
35.2 Spent ion exchange resin containing toxic metals	0.0	MTA	Disposal Facility	MWML

3. Quantity Utilised in-house, If any

<b>Type of Waste</b>	<b>Name of Waste</b>	<b>Quantity of Waste</b>	<b>UOM</b>
	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>
5.1 Used or spent oil	Spent Oil	0.018	MTA
5.2 Wastes or residues containing oil	Waste or residues containing oil	0.936	MTA
20.3 Distillation residues	Distillation residue	0.346	MTA
28.1 Process Residue and wastes	Process residue	0.513	MTA
35.3 Chemical sludge from waste water treatment	ETP Sludge	0.794	MTA
37.3 Concentration or evaporation residues	MEE Salts	0.375	MTA

5. Quantity disposed in landfills as such and after treatment

<b>Type</b>	<b>Quantity</b>	<b>UOM</b>
Direct landfilling	6.900	MTA
Landfill after treatment	NA	KL/Anum
6. Quantity incinerated (if applicable)	<b>UOM</b>	
4.728	MTA	

Personal Details

**Place Date Designation** Tarapur 2024-06-13 Factory Manager



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000059744

### Submitted Date

26-09-2023

## 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	Rajesh Khatavkar	Factory Manager
<b>Telephone Number</b>	<b>Fax Number</b>	<b>Email</b>
8976778210	0	Rajesh.Khatavkar@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	Oct 22 2022 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	802.39	MT/A
Fatty Alcohol Sulphate (Needle-Colour)	2400	1081.89	MT/A
Fatty Alcohol Sulphates/Fatty Alcohol Ether Sulphate	576	516	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	166.84	MT/A
Speciality chemicals such as polymeric conditioners, polyquats, preservatives, fatty acid esters	4992	142.67	MT/A
Sunscreens	7500	9.86	MT/A

<u>By-product Information</u>			
<u>By Product Name</u>	<u>Consent Quantity</u>	<u>Actual Quantity</u>	<u>UOM</u>
NA	0	0	MT/A

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

<u>1) Water Consumption in m3/day</u>		
<u>Water Consumption for Process</u>	<u>Consent Quantity in m3/day</u>	<u>Actual Quantity in m3/day</u>
Cooling	145.00	6.32
Domestic	340.00	15.76
All others	19.50	3.45
	18.00	2.98
<b>Total</b>	<b>522.50</b>	<b>28.51</b>

<u>2) Effluent Generation in CMD / MLD</u>			
<u>Particulars</u>	<u>Consent Quantity</u>	<u>Actual Quantity</u>	<u>UOM</u>
EFFLEUNT GENERATION	122	13.62	CMD
DOMESTIC EFFLEUNT	7.6	5.93	CMD

<u>2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)</u>			
<u>Name of Products (Production)</u>	<u>During the Previous financial Year</u>	<u>During the current Financial year</u>	<u>UOM</u>
0	0	0	CMD

<u>3) Raw Material Consumption (Consumption of raw material per unit of product)</u>			
<u>Name of Raw Materials</u>	<u>During the Previous financial Year</u>	<u>During the current Financial year</u>	<u>UOM</u>
Caustic soda Lye	0.34	10.68	MT/A
C1214 Alkyl polyglucoside	32.40	0.00	MT/A
Alkyl polyglucoside C0814	19.81	0.00	MT/A
FAS Liquid	1440.30	1234.51	MT/A
Galaxy LSS (Paste) C1216	187.23	146.73	MT/A
Citric acid (MONOHYDRATE)	1.15	1.48	MT/A
Sodium Sulfate	2.01	1.91	MT/A
Lauryl Alcohol (C1214)	0.00	18.16	MT/A
Caprylic alcohol (C8)	0.00	9.40	MT/A
Capric alcohol (C10)	0.00	7.62	MT/A
GLYCERINE	0.75	16.50	MT/A
Dextrose Anhydrous	0.00	54.32	MT/A
Distilled Fatty Acid C8-10	4.64	84.24	MT/A
Tung Oil	0.60	25.65	MT/A
Rapeseed oil	0.90	38.37	MT/A

<u>4) Fuel Consumption</u>			
<u>Fuel Name</u>	<u>Consent quantity</u>	<u>Actual Quantity</u>	<u>UOM</u>

HSD	51684	11361	Kg/Annum
PNG	8000	1245.65	SCM/Day

### 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	7.48	0	5.5-9.5	NA
TSS	0.195	10.00	0	<100mg/l	NA
COD	0.157	8.06	0	<250mg/l	NA
BOD	0.045	2.33	0	<30mg/l	NA
TDS	0.508	26.00	0	<2100mg/l	NA
O/G	0.019	1.00	0	<10mg/l	NA
CHLORIDE	0.039	2.02	0	<600mg/l	NA
SULPHATE	0.118	6.06	0	<1000mg/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 (Thermic Fluid Heater-SDP)	0.572	10	0	50mg/nm3	NA
NOx (Thermic Fluid Heater-SDP)	0.852	14.9	0	50 ppm	NA
NOx (Thermic Fluid Heater-Nebula)	15.086	27.5	0	50 ppm	NA
NOx (Boiler)	12.302	23.1	0	50 ppm	NA
TPM (DG)	0.602	34.33	0	50mg/nm3	NA
SO2 (DG)	0.33	0.33	0	0.9 Kg/Day	NA
Acid Mist (Chlorination reactor vent)	0.030	18.0	0	35 Mg/Nm3	NA
TPM (Spray Dryer plant Vent)	1.900	36.5	0	50 Mg/Nm3	NA
TPM (Packing section dust exhaust)	0.275	39.5	0	50 Mg/Nm3	NA
Acid Mist (Process reactor vent & storage tank)	0.139	21.0	0	35 Mg/Nm3	NA
Acid Mist (Process reactor vent K)	12.71	19.5	0	35 Mg/Nm3	NA
TPM (ATFD vent D)	0.096	29.0	0	50 Mg/Nm3	NA
TPM (Sludge dryer vent F)	0.224	32.0	0	50 Mg/Nm3	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	0.300	1.475	MT/A

5.2 Wastes or residues containing oil	00	0.683	MT/A
20.3 Distillation residues	00	2.350	MT/A
28.1 Process Residue and wastes	00	0.838	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	0.350	0.890	MT/A
35.3 Chemical sludge from waste water treatment	1.090	1.803	MT/A
37.3 Concentration or evaporation residues	00	6.512	MT/A
Other Hazardous Waste	00	3.975	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	4.365	5.080	MT/A
HDPE / METAL CONTAINERS	55	1052	Nos./Y
WOODEN PALLATES	1641	568	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**

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
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**

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
5.1 Used or spent oil	1.475	MT/A	LIQUID
5.2 Wastes or residues containing oil	0.683	MT/A	LIQUID
20.3 Distillation residues	2.350	MT/A	SOLID
29.1 Process wastes or residues	0.838	MT/A	SOLID
35.1 Exhaust Air or Gas cleaning residue	0.890	MT/A	SOLID
35.3 Chemical sludge from waste water treatment	1.803	MT/A	SOLID
37.3 Concentration or evaporation residues	6.512	MT/A	SOLID
Other Hazardous Waste	3.975	MT/A	SOLID

**2) Solid Waste**

<b>Type of Solid Waste Generated</b>	<b>Qty of Solid Waste</b>	<b>UOM</b>	<b>Concentration of Solid Waste</b>
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PVC AND PAPER BAGS	5.080	MT/A	PAPER BAGS WITH PVC LINER
HDPE / METAL CONTAINERS	1052	Nos./Y	NA
WOODEN PALLATES	568	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

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

**Particulars**

We have ZLD unit

**Name & Designation**

Rajesh Khatavkar - Factory Manager

**UAN No:**

MPCB-ENVIRONMENT\_STATEMENT-0000059744

**Submitted On:**

26-09-2023