Global Supplier to Global Brands

Galaxy Surfactants Ltd.

25.11.2024

Environment Department
Room no.217, 2nd 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 April 2024 to Septermber 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: eccompliance-mh@gov.in

3. Central Pollution Control Board
Parivesh Bhavan, Opp. VMC Ward Office No.10, Subhanpura
Vadodara – 390023, Gujarat

Recd.
29/11/24

SUB-REGIONAL OFFICE
MAHARASHTRA POLLUTION CONTROL BOARD
TARAPUR-I, 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: April 2024 – September 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	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.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 30.09.2024. (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 30.09.2024.
	c) Actual expenditure incurred on the environmental management plans so far	Rs.10,97,43,579/- as on 30.09.2024
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: April 2024 – September 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 :

Sr. No.	Name of the product	Production QTY. (MT/Month)
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/Quatternary ammonium compounds/alkanol amides/Glycinates/Amineoxides/ betaines/Quarternary 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 September 2024. Next Health checkup is due in March 2025.
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 are in the process of complying with the requirement of Rainwater harvesting as commented on in the EC.
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. We will keep you updated about the further additional tree plantation 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 September 2024. Next Health checkup is due in March 2025.
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 breaks-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 30.09.2024.
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 http://ec.maharashtra.gov.in.	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 1st June and 1st 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_2, NO_x (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 31st 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 2023-2024 submitted online with the MPCB website on 24.9.2024. 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 24.04.2025
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- 24/09/159 **Issue Date:** 12/10/2024

Name of Customer	:	Galaxy Surfactants Limited		
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- 24/09/159		
Sample Quantity	:	SO_2:1Bottle; NO_2:1 Bottle; Thimble-1.		
Date & Time of sampling	:	25/09/2024, 10:00-10:35 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P_{bar}:754 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	01/10/2024		
Date of sample analysis	:	02/10/2024 to 06/10/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2024 to 25/05/2025		
Project/ Job number	:	4500184741 dated 24 June 24		
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%		
A. General Information About Stack:				
Stack Connected to	:	S-3, 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. Physical Characteristics of Stack:				
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^2)	:	0.0177		
C. Analysis/ Characteristic of Stack:				
Fuel used	:	Diesel		
Fuel consumption (Liter/day.)	:	--		
Details of pollution control devices attached with the stack:	:	Stack		

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

TC-7085

Test Report
(Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/09/159 **Issue Date:** 12/10/2024

D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	135	--	°C	IS-11255, (Part-3) RA 2023
2.	Gas velocity	7.73	--	m/s	IS-11255, (Part-3) RA 2023
3.	Gas flow rate	349	--	$Nm^3/hr.$	IS-11255, (Part-3) RA 2023
4.	Particulate Matter	34.51	50	mg/Nm^3	IS-11255, (Part- 1) RA 2019
5.	Sulphur Dioxide as SO_2	27.43	--	mg/Nm^3	IS-11255, (Part-2) RA 2019
6.	Sulphur Dioxide as SO_2	0.23	6.81	Kg/day	IS-11255, (Part-2) RA 2019
7.	Oxide of Nitrogen NO_x as NO_2	46.32	--	mg/Nm^3	IS-11255, (Part-7) RA 2022
8.	Oxygen as O_2	9.2	--	%	IS 13270, 2019
9.	Carbon dioxide as CO_2	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.

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.

ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Reshma S. Patil.
(Authorized Signatory)

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by **ISO 9001:2015**& **ISO 45001:2018**
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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- 24/09/160 **Issue Date:** 12/10/2024

Name of Customer	:	Galaxy Surfactants Limited		
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- 24/09/160		
Sample Quantity	:	SO_2:1Bottle; NOx:1 Bottle; Bladder-1; Thimble-1.		
Date & Time of sampling	:	25/09/2024, 10:40-11:00 hr.		
Sampling Environmental Conditions	:	Temp.:33°C; Rain fall: No; P_{bar}:753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	01/10/2024		
Date of sample analysis	:	03/10/2024 to 10/10/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2024 to 25/05/2025		
Project/ Job number	:	4500184741 dated 24 June 24		
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%		
A. General Information About Stack:				
Stack Connected to	:	S-2, Thermic Fluid Heater		
Emission due to	:	Combustion of PNG		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
B. Physical Characteristics of Stack:				
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^2)	:	1.131		
C. Analysis/ Characteristic of Stack:				
Fuel used	:	PNG		
Fuel consumption (Liter/day.)	:	--		
Details of pollution control devices attached with the stack:	:	Stack		

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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TC-7085

Test Report
(Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/09/160 **Issue Date:** 12/10/2024

D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	89	--	°C	IS-11255, (Part-3) RA 2023
2.	Gas velocity	5.38	--	m/s	IS-11255, (Part-3) RA 2023
3.	Gas flow rate	17608	--	$Nm^3/hr.$	IS-11255, (Part-3) RA 2023
4.	Particulate Matter	12.63	50	mg/Nm^3	IS-11255, (Part- 1) RA 2019
5.	Sulphur Dioxide as SO_2	<5.0	--	mg/Nm^3	IS-11255, (Part-2) RA 2019
6.	Oxide of Nitrogen NO_x as NO_2	60.06	--	mg/Nm^3	IS-11255, (Part-7) RA 2022
7.	Oxide of Nitrogen NO_x as NO_2	31.93	50	ppm	IS-11255, (Part-7) RA 2022
8.	Oxygen as O_2	8.2	--	%	IS 13270, 2019
9.	Carbon dioxide as CO_2	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.

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.

ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Reshma S. Patil.
(Authorized Signatory)

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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

TC-7085

Test Report
(Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/09/161 **Issue Date:** 12/10/2024

Name of Customer	:	Galaxy Surfactants Limited		
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- 24/09/161		
Sample Quantity	:	SO_2:1Bottle; NO_2:1 Bottle; Thimble-1.		
Date & Time of sampling	:	25/09/2024, 11:30-12:05 hr.		
Sampling Environmental Conditions	:	Temp.:33°C; Rain fall: No; P_{bar}:753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	01/10/2024		
Date of sample analysis	:	03/10/2024 to 10/10/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2024 to 25/05/2025		
Project/ Job number	:	4500184741 dated 24 June 24		
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%		
A. General Information About Stack:				
Stack Connected to	:	S-2, Boiler (3TPH)		
Emission due to	:	Combustion of PNG		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
B. Physical Characteristics of Stack:				
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^2)	:	1.131		
C. Analysis/ Characteristic of Stack:				
Fuel used	:	PNG		
Fuel consumption (Liter/day.)	:	--		
Details of pollution control devices attached with the stack:	:	Stack		

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by **ISO 9001:2015**& **ISO 45001:2018**
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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- 24/09/161 **Issue Date:** 12/10/2024

D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	125	--	°C	IS-11255, (Part-3) RA 2023
2.	Gas velocity	5.78	--	m/s	IS-11255, (Part-3) RA 2023
3.	Gas flow rate	17123	--	$Nm^3/hr.$	IS-11255, (Part-3) RA 2023
4.	Particulate Matter	10.47	50	mg/Nm^3	IS-11255, (Part- 1) RA 2019
5.	Sulphur Dioxide as SO_2	<5.0	--	mg/Nm^3	IS-11255, (Part-2) RA 2019
6.	Oxide of Nitrogen NO_x as NO_2	66.33	--	mg/Nm^3	IS-11255, (Part-7) RA 2022
7.	Oxide of Nitrogen NO_x as NO_2	35.26	50	ppm	IS-11255, (Part-7) RA 2022
8.	Oxygen as O_2	9.2	--	%	IS 13270, 2019
9.	Carbon dioxide as CO_2	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.

Note:

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ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Reshma S. Patil.
(Authorized Signatory)

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

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TC-7085

Test Report
(Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/09/162 **Issue Date:** 12/10/2024

Name of Customer	:	Galaxy Surfactants Limited		
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- 24/09/162		
Sample Quantity	:	SO_2:1Bottle; NO_2:1 Bottle; Thimble-1.		
Date & Time of sampling	:	25/09/2024, 12:10-12:35 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P_{bar}:753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	01/10/2024		
Date of sample analysis	:	03/10/2024 to 10/10/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2024 to 25/05/2026		
Project/ Job number	:	4500184741 dated 24 June 24		
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%		
A. General Information About Stack:				
Stack Connected to	:	S10, ATFD Vent D		
Emission due to	:	Process Activity		
Material of construction of stack	:	Steel		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
B. Physical Characteristics of Stack:				
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^2)	:	0.008		
C. Analysis/ Characteristic of Stack:				
Fuel used	:	NA.		
Fuel consumption (Liter/day.)	:	NA.		
Details of pollution control devices attached with the stack:	:	Cyclone		

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TC-7085

Test Report
(Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/10/162 **Issue Date:** 12/10/2024

D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	36	--	°C	IS-11255, (Part-3) RA 2023
2.	Gas velocity	7.08	--	m/s	IS-11255, (Part-3) RA 2023
3.	Gas flow rate	192	--	$Nm^3/hr.$	IS-11255, (Part-3) RA 2023
4.	Particulate Matter	7.28	50	mg/Nm^3	IS-11255, (Part- 1) RA 2019
5.	Sulphur Dioxide as SO_2	<5.00	--	mg/Nm^3	IS-11255, (Part-2) RA 2019
6.	Oxide of Nitrogen NO_x as NO_2	<9.00	--	mg/Nm^3	IS-11255, (Part-7) RA 2022
7.	Oxygen as O_2	19.6	--	%	IS 13270, 2019
8.	Carbon dioxide as CO_2	<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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ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Reshma S. Patil.
(Authorized Signatory)

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

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TC-7085

Test Report
(Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/10/163 **Issue Date:** 12/10/2024

Name of Customer	:	Galaxy Surfactants Limited		
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- 24/10/163		
Sample Quantity	:	SO_2:1Bottle; NO_2:1 Bottle; Thimble-1.		
Date & Time of sampling	:	25/09/2024, 12:45-13:00 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P_{bar}:753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	01/10/2024		
Date of sample analysis	:	03/10/2024 to 10/10/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2024 to 25/05/2025		
Project/ Job number	:	4500184741 dated 24 June 24		
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%		
A. General Information About Stack:				
Stack Connected to	:	S11, Sludge Dryer Vent F		
Emission due to	:	Process Activity		
Material of construction of stack	:	Steel		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
B. Physical Characteristics of Stack:				
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^2)	:	0.0176		
C. Analysis/ Characteristic of Stack:				
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- 24/10/163 **Issue Date:** 12/10/2024

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	6.40	--	m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	387	--	$Nm^3/hr.$	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	6.33	50	mg/Nm^3	IS-11255, (part- 1,3) 2018-19
5.	Sulphur Dioxide as SO_2	<5.00	--	mg/Nm^3	IS-11255, (part-2) 2019
6.	Oxide of Nitrogen NO_x as NO_2	<9.00	--	mg/Nm^3	IS-11255, (part-7) 2017
7.	Oxygen as O_2	19.0	--	%	IS 13270, 2019
8.	Carbon dioxide as CO_2	<0.20	--	%	IS 13270, 2019
9.	Acid Mist	< 1.0	--	mg/Nm^3	EPA-450/2-77-019: 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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ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Reshma S. Patil.
(Authorized Signatory)

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

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TC-7085

Test Report
(Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/09/164 **Issue Date:** 12/10/2024

Name of Customer	:	Galaxy Surfactants Limited		
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- 24/09/164		
Sample Quantity	:	SO_2:1Bottle; NOx:1 Bottle; Bladder-1; Thimble-1.		
Date & Time of sampling	:	26/09/2024, 10:30-11:10 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P_{bar}:753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	01/10/2024		
Date of sample analysis	:	03/10/2024 to 10/10/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2024 to 25/05/2025		
Project/ Job number	:	4500184741 dated 24 June 24		
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%		
A. General Information About Stack:				
Stack Connected to	:	S-1, Thermic Fluid Heater		
Emission due to	:	Combustion of PNG		
Material of construction of stack	:	MS		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
B. Physical Characteristics of Stack:				
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^2)	:	0.1589		
C. Analysis/ Characteristic of Stack:				
Fuel used	:	PNG		
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- 24/09/164 **Issue Date:** 12/10/2024

D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	96	--	°C	IS-11255, (Part-3) RA 2023
2.	Gas velocity	4.83	--	m/s	IS-11255, (Part-3) RA 2023
3.	Gas flow rate	2160	--	$Nm^3/hr.$	IS-11255, (Part-3) RA 2023
4.	Particulate Matter	9.31	50	mg/Nm^3	IS-11255, (Part- 1) RA 2019
5.	Sulphur Dioxide as SO_2	<5.0	--	mg/Nm^3	IS-11255, (Part-2) RA 2019
6.	Oxide of Nitrogen NO_x as NO_2	77.91	--	mg/Nm^3	IS-11255, (Part-7) RA 2022
7.	Oxide of Nitrogen NO_x as NO_2	41.42	50	ppm	IS-11255, (Part-7) RA 2022
8.	Oxygen as O_2	9.2	--	%	IS 13270, 2019
9.	Carbon dioxide as CO_2	11.2	--	%	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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ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Reshma S. Patil.
(Authorized Signatory)

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

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TC-7085

Test Report
(Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/09/165 **Issue Date:** 12/10/2024

Name of Customer	:	Galaxy Surfactants Limited		
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- 24/09/165		
Sample Quantity	:	SO_2:1Bottle; NO_2:1 Bottle; Thimble-1.		
Date & Time of sampling	:	26/09/2024, 11:20-12:28 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P_{bar}:753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	01/10/2024		
Date of sample analysis	:	03/10/2024 to 10/10/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2024 to 25/05/2025		
Project/ Job number	:	4500184741 dated 24 June 24		
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%		
A. General Information About Stack:				
Stack Connected to	:	S5, 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. Physical Characteristics of Stack:				
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^2)	:	0.212		
C. Analysis/ Characteristic of Stack:				
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- 24/09/165 **Issue Date:** 12/10/2024

D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	52	--	°C	IS-11255, (Part-3) RA 2023
2.	Gas velocity	8.0	--	m/s	IS-11255, (Part-3) RA 2023
3.	Gas flow rate	5416	--	$Nm^3/hr.$	IS-11255, (Part-3) RA 2023
4.	Particulate Matter	11.48	50	mg/Nm^3	IS-11255, (Part- 1) RA 2019
5.	Sulphur Dioxide as SO_2	<5.00	--	mg/Nm^3	IS-11255, (Part-2) RA 2019
6.	Oxide of Nitrogen NO_x as NO_2	62.12	--	mg/Nm^3	IS-11255, (Part-7) RA 2022
7.	Oxide of Nitrogen NO_x as NO_2	33.02	--	ppm	IS-11255, (Part-7) RA 2022
8.	Oxygen as O_2	15.8	--	%	IS 13270, 2019
9.	Carbon dioxide as CO_2	3.6	--	%	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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Reshma S. Patil.
(Authorized Signatory)

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

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TC-7085

Test Report
(Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/09/166 **Issue Date:** 12/10/2024

Name of Customer	:	Galaxy Surfactants Limited
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- 24/09/166
Sample Quantity	:	SO_2:1Bottle; NO_2:1 Bottle; Thimble-1.
Date & Time of sampling	:	26/09/2024, 12:10-12:40 hr.
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P_{bar}:753 mmHg.
Transportation Condition	:	Bottles < 5°C / Thimbles in plastic container / Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL
Date of sample receipt	:	01/10/2024
Date of sample analysis	:	03/10/2024 to 10/10/2024
Sampling Equipment Used	:	ST-I-02
Calibration status	:	25/05/2024 to 25/05/2025
Project/ Job number	:	4500184741 dated 24 June 24
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%
A. General Information About Stack:		
Stack Connected to	:	S9 - 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. Physical Characteristics of Stack:		
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^2)	:	0.0176
C. Analysis/ Characteristic of Stack:		
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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TC-7085

Test Report
(Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/09/166 **Issue Date:** 12/10/2024

D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	45	--	°C	IS-11255, (Part-3) RA 2023
2.	Gas velocity	7.08	--	m/s	IS-11255, (Part-3) RA 2023
3.	Gas flow rate	410	--	$Nm^3/hr.$	IS-11255, (Part-3) RA 2023
4.	Particulate Matter	8.73	50	mg/Nm^3	IS-11255, (Part- 1) RA 2019
5.	Sulphur Dioxide as SO_2	<5.00	--	mg/Nm^3	IS-11255, (Part-2) RA 2019
6.	Oxide of Nitrogen NO_x as NO_2	<9.00	--	mg/Nm^3	IS-11255, (Part-7) RA 2022
7.	Oxygen as O_2	19.0	--	%	IS 13270, 2019
8.	Carbon dioxide as CO_2	<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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ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Reshma S. Patil.
(Authorized Signatory)

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

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 24.04.2025
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- 24/09/167 **Issue Date:** 12/10/2024

Name of Customer	:	Galaxy Surfactants Limited		
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- 24/09/167		
Sample Quantity	:	SO_2:1Bottle; NO_2:1 Bottle; Thimble-1.		
Date & Time of sampling	:	26/09/2024, 12:50-13:30 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P_{bar}:753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	01/10/2024		
Date of sample analysis	:	03/10/2024 to 10/10/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2024 to 25/05/2025		
Project/ Job number	:	4500184741 dated 24 June 24		
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%		
A. General Information About Stack:				
Stack Connected to	:	S6, 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. Physical Characteristics of Stack:				
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^2)	:	0.017		
C. Analysis/ Characteristic of Stack:				
Fuel used	:	NA.		
Fuel consumption (Liter/day.)	:	NA.		
Details of pollution control devices attached with the stack:	:	Fabric Bag Filter		

Reg. Office: 110, Hiren Light Industrial Estate, Mogul Lane, Mahim, **Mumbai - 400016Tel:** 022 42127500 **E-mail:** contact@aespl.co.in

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

TC-7085

Test Report
(Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/09/167 **Issue Date:** 12/10/2024

D. Result of Sampling & Analysis of Gaseous Emission:

SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	42	--	°C	IS-11255, (Part-3) RA 2023
2.	Gas velocity	4.72	--	m/s	IS-11255, (Part-3) RA 2023
3.	Gas flow rate	268	--	$Nm^3/hr.$	IS-11255, (Part-3) RA 2023
4.	Particulate Matter	19.42	50	mg/Nm^3	IS-11255, (Part- 1) RA 2019
5.	Sulphur Dioxide as SO_2	<5.00	--	mg/Nm^3	IS-11255, (Part-2) RA 2019
6.	Oxide of Nitrogen NO_x as NO_2	<9.00	--	mg/Nm^3	IS-11255, (Part-7) RA 2022
7.	Oxygen as O_2	18.8	--	%	IS 13270, 2019
8.	Carbon dioxide as CO_2	<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.

Note:

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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.

ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Reshma S. Patil.
(Authorized Signatory)

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

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 24.04.2025
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- 24/09/168 **Issue Date:** 12/10/2024

Name of Customer	:	Galaxy Surfactants Limited		
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- 24/09/168		
Sample Quantity	:	Acid mist 1.		
Date & Time of sampling	:	25/09/2024, 14:00-14:40 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P_{bar}:753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	01/10/2024		
Date of sample analysis	:	03/10/2024 to 10/10/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2024 to 25/05/2025		
Project/ Job number	:	4500184741 dated 24 June 24		
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%		
A. General Information About Stack:				
Stack Connected to	:	S-4, Chlorination Reactor Vent		
Emission due to	:	Process Activity		
Material of construction of stack	:	PPFRP		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
B. Physical Characteristics of Stack:				
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^2)	:	0.005		
C. Analysis/ Characteristic of Stack:				
Fuel used	:	--		
Fuel consumption (Liter/day.)	:	--		
Details of pollution control devices attached with the stack:	:	4 Stage Water & Caustic Scrubber		

Reg. Office: 110, Hiren Light Industrial Estate, Mogul Lane, Mahim, **Mumbai - 400016Tel:** 022 42127500 **E-mail:** contact@aespl.co.in

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

TC-7085

Test Report
(Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/09/168 **Issue Date:** 12/10/2024

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.	Acid Mist	9.15	35	mg/Nm³	EPA-450/2-77-019: 2019
3.	Carbon dioxide as CO_2	< 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.

Note:

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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.

ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Rspatil

Reshma S. Patil.
(Authorized Signatory)

Himani

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

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 24.04.2025
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- 24/09/169 **Issue Date:** 12/10/2024

Name of Customer	:	Galaxy Surfactants Limited		
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- 24/09/169		
Sample Quantity	:	Acid Mist:1Bottle;		
Date & Time of sampling	:	25/09/2024, 14:45-15:10 hr.		
Sampling Environmental Conditions	:	Temp.:31°C; Rain fall: No; P_{bar}:753 mmHg.		
Transportation Condition	:	Bottles < 5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL		
Date of sample receipt	:	01/10/2024		
Date of sample analysis	:	03/10/2024 to 10/10/2024		
Sampling Equipment Used	:	ST-I-02		
Calibration status	:	25/05/2024 to 25/05/2025		
Project/ Job number	:	4500184741 dated 24 June 24		
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%		
A. General Information About Stack:				
Stack Connected to	:	S-8, Process Reactor Vent K		
Emission due to	:	Process Activity		
Material of construction of stack	:	PPFRP		
Shape of stack	:	Circular		
Whether stack is provided with permanent platform	:	Yes		
B. Physical Characteristics of Stack:				
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^2)	:	0.008		
C. Analysis/ Characteristic of Stack:				
Fuel used	:	--		
Fuel consumption (Liter/day.)	:	--		
Details of pollution control devices attached with the stack:	:	Ventury Scrubber		

Reg. Office: 110, Hiren Light Industrial Estate, Mogul Lane, Mahim, **Mumbai - 400016Tel:** 022 42127500 **E-mail:** contact@aespl.co.in

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

TC-7085

Test Report
(Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/09/169 **Issue Date:** 12/10/2024

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.	Acid Mist	9.34	35	mg/Nm³	EPA-450/2-77-019: 2019
3.	Carbon dioxide as CO_2	< 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.

Note:

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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.

ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Reshma S. Patil.
(Authorized Signatory)

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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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-19-00-29787

TC-7085

Test Report
(Noise)

Ref. No.: AESPL/LAB/C/N-24/09/134 **Issue Date:** 05/10/2024

Name of Customer	:	Galaxy Surfactants Limited			
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.			
Discipline & Group	:	Chemical: Atmospheric Pollution			
Description of Sample	:	Ambient Noise			
Location Details	:	At Periphery Of Site			
Date of Sampling	:	24/09/2024	**Period of Sampling**	:	Spot
Start & End Time of Sampling (Daytime)	:	12.30 Hr. - 13.05Hr.	**Start & End Time of Sampling (Nighttime)**	:	21.10 Hr.-21.45Hr.
Monitored By	:	AESPL	**Transported By**	:	AESPL
Date of Data Receipt	:	01/10/2024	**Sample Identification**	:	N-24/09/134
Environmental Condition	:	**Climate:** Clear	**Ambient Temp:** 30°C		
Transportation Condition	:	Noise Data sheet is kept in folder and safely transported to laboratory along with Noise meter.			
Sampling Equipment	:	Noise meter - Centre C-390 SL-I-11			
Calibration Status	:	Calibrated on 11/03/2024; calibration due on 10/03/2025			
Project/ Job Number	:	4500184741 dated 24June24			
Reference of Sampling	:	AESPL/LAB/QR/7.3.3/R-02			
Method of Sampling	:	IS 9989 RA:2023			

Sr. No.	Location	Noise Day Time dB(A)	Noise Nighttime dB(A)
1.	Near Main Gate	61.3	59.6
2.	Near Nebula Gate	62.2	61.9
3.	Near DG Set	59.1	55.2
4.	Near Boiler	74.6	68.3
5.	Hot Air Generator	72.3	64.8
6.	ETP Blower	74.5	65.5
7.	SDP Plant	65.9	64.2
8.	Powder Packing Room (SDP)	66.4	64.6
9.	Q.A.	74.1	65.1
10.	Nebula Vacuum Pump	66.7	62.6
Limit as per EP Act for Industrial area		**75**	**70**

Conformity Statement: Noise Levels at all the locations are found below the stipulated limits.

Note:

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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.

ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Reshma S. Patil.
(Authorized Signatory)

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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Recognized by **MoEFCC** as "**Environmental Laboratory**" valid up to 24.04.2025
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Tel: 9112844844, **CIN**: U74999MH2001PTC132091 UDYAM-MH-19-00-29787

TC-7085

Test Report
(Noise)

Ref. No.: AESPL/LAB/C/N-24/09/135 **Issue Date:** 05/10/2024

Name of Customer	:	Galaxy Surfactants Limited			
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra.			
Discipline & Group		Chemical: Atmospheric Pollution			
Description of Sample	:	DG Noise			
Location Details	:	DG 1000KVA, S3			
Date of Sampling	:	24/09/2024	**Period of Sampling**	:	DG Spot
Start Time of Sampling	:	10:00Hr.	**End Time of Sampling**	:	10.15Hr
Monitored By	:	AESPL	**Transported By**	:	AESPL
Date of Data Receipt	:	01/10/2024	**Sample Identification**	:	N-24/09/135
Environmental Condition	:	**Climate:** Clear	**Ambient Temp:** 30°C		
Transportation Condition	:	Noise Data sheet is kept in folder and safely transported to laboratory along with Noise meter.			
Sampling Equipment	:	Noise meter - Centre C-390 SL-I-11			
Calibration Status	:	Calibrated on 11/03/2024; calibration due on 10/03/2025			
Project/ Job Number	:	4500184741 dated 24 June 24			
Reference of Sampling	:	AESPL/LAB/QR/7.3.3/R-02			
Method of Sampling	:	IS 4758 RA:2017			

Sr No.	**Location**	**Sound Pressure Level dB(A)**					
		Readings from 0.5 m away from DG				**Avg.**	**Difference**
	DG-1000KVA, S3	**East**	**West**	**South**	**North**		
1.	Door closed	72.4	72.6	72.1	72.3	72.4	26.5
	Door opened	98.8	98.9	98.6	99.0	98.8	

Limits:

- Insertion loss of 25dBA as per consent

Conformity Statement: The monitoring undertaken indicates that DG Noise Quality value for insertion loss is within consent limit.

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. DG set Sound Pressure Level measured at 0.5m from the enclosure.
4. Any query related to this report will be entertained within 15 days of the report issue date only.

ADITYA ENVIRONMENTAL SERVICES PVT. LTD. RASAYANI

Reshma S. Patil.
(Authorized Signatory)

Himani P. Joshi.
(Report Reviewed By)

-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:	***Submitted On:***	***Industry Type :***
MPCB-HW_ANNUAL_RETURN-0000045098	13-06-2024	Generator

Submitted for Year:

2024

1. Name of the generator/operator of facility	***Address of the unit/facility***
GALAXY SURFACTANTS LTD	PLOT NO.G-59, TARAPUR MIDC, BOISAR

1b. Authorization Number	***Date of issue***	***Date of validity of consent***
Format1.0/CC/UAN No.0000110105/CR/2207000303	Jul 6, 2022	Apr 30, 2024

2. Name of the authorised person	***Full address of authorised person***
MR. RAJESH B. KHATAVKAR	PLOT NO.G-59, TARAPUR MIDC, BOISAR

Telephone	***Fax***	***Email***
8976778210	NA	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/ QUATTERNARY AMMONIUM COMPOUNDS / ALKANOL AMIDES / GLYCINATES / 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.

Type of Waste	***Quantity of waste***	***UOM***	***Dispatched to***	***Facility Name***
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

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***
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

Type	***Quantity***	***UOM***
Direct landfilling	6.900	MTA
Landfill after treatment	NA	KL/Anum

6. Quantity incinerated (if applicable)

UOM
MTA
4.728

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 2024

Unique Application Number
MPCB-ENVIRONMENT_STATEMENT-0000071384

Submitted Date
24-09-2024

PART A

Company Information

Company Name
Galaxy Surfactants Ltd

Application UAN number
0000200831

Address
G-59 MIDC Tarapur

Plot no
G-59

Taluka
Palghar

Village
MIDC Tarapur

Capital Investment (In lakhs)
12132.00

Scale
LSI

City
Palghar

Pincode
401506

Person Name
Rajesh Khatavkar

Designation
Factory Manager

Telephone Number
8976778210

Fax Number
0

Email
Rajesh.Khatavkar@galaxysurfactants.com

Region
SRO-Tarapur I

Industry Category
Red

Industry Type
R22 Organic Chemicals manufacturing

Last Environmental statement submitted online
yes

Consent Number
Format1.0/CC/UAN No.0000200831/CR/2407000213

Consent Issue Date
2024-07-02

Consent Valid Upto
2027-04-30

Establishment Year
1992

Date of last environment statement submitted
Sep 26 2023 12:00:00:000AM

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

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Fatty Alcohol Sulphates/Sulfosuccinate (Powder/Needles)	1200	660.22	MT/A
Fatty Alcohol Sulphate (Needle-Colour)	2400	1018.69	MT/A
Fatty Alcohol Sulphates/Fatty Alcohol Ether Sulphate	576	453	MT/A
Active preparations including anionic, cationic, amphoteric, non ionic surfactants such as fatty alcohol sulphates/Quatternary ammonium compounds/alkanol amides/Glycinates/Amineoxides/betaines/Quarter	24996	388.51	MT/A
Speciality chemicals such as polymeric conditioners, polyquats, preservatives, fatty acid esters	4992	91.48	MT/A
Sunscreens	7500	14.28	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
NA	0	0	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	145.00	8.45
Cooling	340.00	3.88
Domestic	19.50	7.04
All others	18.00	2.50
Total	522.50	21.87

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
EFFLEUNT GENERATION	122	10.37	CMD
DOMESTIC EFFLEUNT	17.6	4.76	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	10.68	11.32	MT/A
Epichloro Hydrin	1.75	23.48	MT/A
Methylene Chloride	12.84	2.69	MT/A
FAS Liquid	1234.51	1271.96	MT/A
Galaxy LSS (Paste) C1216	764.24	975.774	MT/A
Citric acid (MONOHYDRATE)	3.22	1.55	MT/A
Sodium Sulfate	1.91	2.27	MT/A
Lauryl Alcohol (C1214)	18.16	20.56	MT/A
Caprylic alcohol (C8)	9.40	4.71	MT/A
Capric alcohol (C10)	7.62	13.03	MT/A
GLYCERINE	16.50	9.52	MT/A
Dextrose Anhydrous	54.32	67.75	MT/A
Distilled Fatty Acid C8-10	84.24	66.72	MT/A
Tung Oil	29.65	12.15	MT/A
Rapeseed oil	46.65	22.29	MT/A
DIMETHYL AMINO PROPYL AMINE	65.40	59.77	MT/A
ISO PROPYL ALCOHOL	17.49	73.32	MT/A

Sodium Meta bi sulfite	3.11	30.42	MT/A
Lauryl Alcohol (C1214) MB	5.40	18.35	MT/A
4-Nitro Benzoic Acid	0.00	17.00	MT/A
2 Ethyl Hexanol	0.00	10.97	MT/A
Hydrogen Peroxide 50%	2.69	2.80	MT/A
Nitrogen Liquid	31.41	22.79	M3/Anum

4) Fuel Consumption

Fuel Name	***Consent quantity***	***Actual Quantity***	***UOM***
HSD	124392	11510	Kg/Annum
PNG	4000	1080.24	SCM/Day

Part-C

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

[A] Water

Pollutants Detail	***Quantity of Pollutants discharged (kL/day)***	***Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour***	***Percentage of variation from prescribed standards with reasons***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
pH	0	7.96	0	5.5-9.5	NA
TSS	0.061	4.00	0	<100mg/l	NA
COD	0.151	10.00	0	<250mg/l	NA
BOD	0.057	3.80	0	<30mg/l	NA
TDS	1.513	100.0	0	<2100mg/l	NA
O/G	0.015	1.00	0	<10mg/l	NA
CHLORIDE	0.227	15.0	0	<600mg/l	NA
SULPHATE	0.076	5.0	0	<1000mg/l	NA

[B] Air (Stack)

Pollutants Detail	***Quantity of Pollutants discharged (kL/day)***	***Concentration of Pollutants discharged(Mg/NM3)***	***Percentage of variation from prescribed standards with reasons***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
TPM (Thermic Fluid Heater-SDP)	0.446	9.46	0	50mg/nm3	NA
NOx (Thermic Fluid Heater-SDP)	1.562	33.13	0	50 ppm	NA
NOx (Thermic Fluid Heater-Nebula)	11.466	32.01	0	50 ppm	NA
NOx (Boiler)	14.041	38.0	0	50 ppm	NA
TPM (DG)	0.287	42.51	0	50mg/nm3	NA
SO2 (DG)	0.002	0.23	0	0.9 Kg/Day	NA
Acid Mist (Chlorination reactor vent)	0.023	12.44	0	35 Mg/Nm3	NA
TPM (Spray Dryer plant Vent)	7.274	35.17	0	50 Mg/Nm3	NA
TPM (Packing section dust exhaust)	0.224	22.90	0	50 Mg/Nm3	NA
Acid Mist (Process reactor vent & storage tank	0.078	13.39	0	35 Mg/Nm3	NA

Acid Mist (Process reactor vent K)	0.030	9.43	0	35 Mg/Nm3	NA
TPM (ATFD vent D)	0.041	9.55	0	50 Mg/Nm3	NA
TPM (Sludge dryer vent F)	0.140	10.0	0	50 Mg/Nm3	NA
TPM (Needle plant Blower)	0.237	16.56	0	50 Mg/Nm3	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	*Total During Previous Financial year*	*Total During Current Financial year*	*UOM*
5.1 Used or spent oil	1.475	0.279	MT/A
5.2 Wastes or residues containing oil	0.683	0.529	MT/A
20.3 Distillation residues	2.350	0.565	MT/A
28.1 Process Residue and wastes	0.838	1.051	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	*Total During Previous Financial year*	*Total During Current Financial year*	*UOM*
35.1 Exhaust Air or Gas cleaning residue	0.890	0	MT/A
35.3 Chemical sludge from waste water treatment	1.803	2.304	MT/A
37.3 Concentration or evaporation residues	6.512	6.900	MT/A
Other Hazardous Waste	3.975	0	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	*Total During Previous Financial year*	*Total During Current Financial year*	*UOM*
PVC PAPER BAGS	5.080	14.19	MT/A
HDPE / METAL CONTAINERS	1052	1396	Nos./Y
WOODEN PALLATES	568	7	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	0.279	MT/A	LIQUID

5.2 Wastes or residues containing oil	0.529	MT/A	LIQUID
20.3 Distillation residues	0.565	MT/A	SOLID /LIQUID
28.1 Process Residue and wastes	1.051	MT/A	SOLID
35.3 Chemical sludge from waste water treatment	2.304	MT/A	SOLID
37.3 Concentration or evaporation residues	6.900	MT/A	SOLID

2) Solid Waste

Type of Solid Waste Generated	*Qty of Solid Waste*	*UOM*	*Concentration of Solid Waste*
PVC AND PAPER BAGS	14.90	MT/A	PAPER BAGS WITH PVC LINER
HDPE / METAL CONTAINERS	1396	Nos./Y	NA
WOODEN PALLATES	7	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-0000071384

Submitted On:

24-09-2024