



Global Supplier to Global Brands

Galaxy Surfactants Ltd.


09.05.2025

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

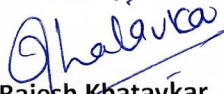

08/5/25
उप-प्रादेशिक कार्यालय तारापूर - I
महाराष्ट्र प्रदूषण नियंत्रण मंडळ,
एम आय डी सी कॉलनी परिसर बोईसर
ता व जिल्हा - पालघर. पिन ४०१५०४

Please find attached half yearly compliance report from October,2024 to March,2025, 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 Khataavkar
Sr. Manager – Conversion Process



Encl: As above

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

Factory Address:
Plot No. G-59 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: October,2024 – March,2025)

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 - 100.00 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 31.03.2025. (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 31.03.2025. |
| | c) Actual expenditure incurred on the environmental management plans so far | Rs.10,97,43,579/- as on 31.03.2025 |
| 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: October 2024 - March 2025)

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/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. Being "ZLD", entire effluent is recycled and reused. No trade effluent has been discharged, the company has disconnected the MIDC Line which carries the Effluent to CETP 2. We will abide by the above-referred EC conditions. |
| II | No additional land shall be used / acquired for any activity of the project without obtaining proper permission. | No additional land has been 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 April 2025. Next Health checkup is due in October 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 have completed 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 | The project is a Zero Liquid Discharge (ZLD) Unit. Entire effluent is reused by recycling through ETP with Primary, |

| | | |
|------|---|---|
| | be regularly submitted to the Maharashtra Pollution Control Board. | 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. | A total of around 630 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 of April 2025. Next Health checkup is due in October 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 break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year wise expenditure should reported to the MPCB and this department. | We have budgeted separate funds for environment protection measures. We have utilized Rs.10,97,43,579/- towards procurement of all the ETP and scrubber system as on 31.03.2025. |
| 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 1 st June and 1 st 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 | Status of compliance of the stipulated EC conditions, including results of monitored data is being uploaded on our website on regular basis. |

| | | |
|------|--|---|
| | Office of MoEF, the respective zonal office of CPCB and the SPCB. The criteria pollutant levels 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 31 st 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

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- 25/03/20

Issue Date: 15/03/2025

| | | |
|---|---|---|
| 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- 25/03/20 |
| Sample Quantity | : | SO ₂ :1Bottle; NO _x :1 Bottle; Bladder-1; Thimble-1. |
| Date & Time of sampling | : | 03/03/2025, 10:40 - 11:55 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 |
| Sampling Equipment Used | : | ST-I-03 |
| Calibration status | : | 17/12/2024 to 16/12/2025 |
| 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 | : | Steam Boiler S2 |
| 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) | : | 1.30 |
| 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: | : | Boiler |



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



TC-7085

Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 25/03/20

Issue Date: 15/03/2025

D. Result of Sampling & Analysis of Gaseous Emission:

| SL. No. | Parameter | Result | MPCB. Limits | Unit | Method of analysis |
|---------|--|--------|--------------|----------------------|-----------------------------|
| 1. | Gas Temperature | 112 | -- | °C | IS-11255, (Part-3) RA 2023 |
| 2. | Gas velocity | 6.0 | -- | m/s | IS-11255, (Part-3) RA 2023 |
| 3. | Gas flow rate | 18322 | -- | Nm ³ /hr. | IS-11255, (Part-3) RA 2023 |
| 4. | Particulate Matter | 7.7 | 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 | 61.8 | -- | mg/Nm ³ | IS-11255, (Part-7) RA 2022 |
| 7. | Oxide of Nitrogen NO _x as NO ₂ | 32.8 | 50 | ppm | IS-11255, (Part-7) RA 2022 |
| 8. | Oxygen as O ₂ | 8.8 | -- | % | IS 13270, 2019 |
| 9. | Carbon dioxide as CO ₂ | 11 | -- | % | 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.

Himani

Himani P. Joshi
(Report Reviewed By)



Reshma S. Patil

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- 25/03/21

Issue Date: 15/03/2025

| | | |
|---|---|---|
| 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- 25/03/21 |
| Sample Quantity | : | SO ₂ :1Bottle; NO _x :1 Bottle; Bladder-1; Thimble-1. |
| Date & Time of sampling | : | 03/03/2024, 11:55 - 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 |
| Sampling Equipment Used | : | ST-I-03 |
| Calibration status | : | 17/12/2024 to 16/12/2025 |
| 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- 24/03/21

Issue Date: 15/03/2025

D. Result of Sampling & Analysis of Gaseous Emission:

| SL. No. | Parameter | Result | MPCB. Limits | Unit | Method of analysis |
|---------|--|--------|--------------|----------------------|-----------------------------|
| 1. | Gas Temperature | 77 | -- | °C | IS-11255, (Part-3) RA 2023 |
| 2. | Gas velocity | 6.3 | -- | m/s | IS-11255, (Part-3) RA 2023 |
| 3. | Gas flow rate | 2109 | -- | Nm ³ /hr. | IS-11255, (Part-3) RA 2023 |
| 4. | Particulate Matter | 10.4 | 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 | 67.5 | -- | mg/Nm ³ | IS-11255, (Part-7) RA 2022 |
| 7. | Oxide of Nitrogen NO _x as NO ₂ | 35.9 | 50 | ppm | IS-11255, (Part-7) RA 2022 |
| 8. | Oxygen as O ₂ | 8.6 | -- | % | IS 13270, 2019 |
| 9. | Carbon dioxide as CO ₂ | 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:

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Reshma

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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- 25/03/23

Issue Date: 15/03/2025

| | | |
|---|---|---|
| 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- 25/03/23 |
| Sample Quantity | : | SO ₂ :1Bottle; NO _x :1 Bottle; Bladder-1; Thimble-1. |
| Date & Time of sampling | : | 03/03/2024, 13:25 - 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2024 to 14/03/2025 |
| Sampling Equipment Used | : | ST-I-03 |
| Calibration status | : | 17/12/2024 to 16/12/2025 |
| 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 |



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



TC-7085

Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/03/23

Issue Date: 15/03/2025

D. Result of Sampling & Analysis of Gaseous Emission:

| SL. No. | Parameter | Result | MPCB. Limits | Unit | Method of analysis |
|---------|--|--------|--------------|----------------------|-----------------------------|
| 1. | Gas Temperature | 92 | -- | °C | IS-11255, (Part-3) RA 2023 |
| 2. | Gas velocity | 4.8 | -- | m/s | IS-11255, (Part-3) RA 2023 |
| 3. | Gas flow rate | 21889 | -- | Nm ³ /hr. | IS-11255, (Part-3) RA 2023 |
| 4. | Particulate Matter | 8.3 | 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 | 57.9 | -- | mg/Nm ³ | IS-11255, (Part-7) RA 2022 |
| 7. | Oxide of Nitrogen NO _x as NO ₂ | 30.8 | 50 | ppm | IS-11255, (Part-7) RA 2022 |
| 8. | Oxygen as O ₂ | 8.8 | -- | % | IS 13270, 2019 |
| 9. | Carbon dioxide as CO ₂ | 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.

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Himani

Himani P. Joshi
(Report Reviewed By)



R. S. Patil

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- 25/03/24

Issue Date: 15/03/2025

| | | |
|---|---|---|
| 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- 24/03/25 |
| Sample Quantity | : | SO ₂ :1Bottle; NO ₂ :1 Bottle; Thimble-1. |
| Date & Time of sampling | : | 03/03/2025, 14:20 - 15:15 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 |
| 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- 25/03/24

Issue Date: 15/03/2025

D. Result of Sampling & Analysis of Gaseous Emission:

| SL. No. | Parameter | Result | MPCB. Limits | Unit | Method of analysis |
|---------|--|--------|--------------|----------------------|-----------------------------|
| 1. | Gas Temperature | 54 | -- | °C | IS-11255, (Part-3) RA 2023 |
| 2. | Gas velocity | 7.8 | -- | m/s | IS-11255, (Part-3) RA 2023 |
| 3. | Gas flow rate | 5292 | -- | Nm ³ /hr. | IS-11255, (Part-3) RA 2023 |
| 4. | Particulate Matter | 30.4 | 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 | 21.2 | -- | mg/Nm ³ | IS-11255, (Part-7) RA 2022 |
| 7. | Oxide of Nitrogen NO _x as NO ₂ | 11.2 | -- | ppm | IS-11255, (Part-7) RA 2022 |
| 8. | Oxygen as O ₂ | 16.2 | -- | % | IS 13270, 2019 |
| 9. | Carbon dioxide as CO ₂ | 3.2 | -- | % | 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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Himani

Himani P. Joshi
(Report Reviewed By)



Reshma

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- 25/03/25

Issue Date: 15/03/2025

| | | |
|---|---|---|
| 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- 25/03/25 |
| Sample Quantity | : | SO ₂ :1Bottle; NO ₂ :1 Bottle; Thimble-1. |
| Date & Time of sampling | : | 03/03/2025, 15:30-16:10 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 |
| 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: | : | -- |



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TC-7085

Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 25/03/25

Issue Date: 15/03/2025

D. Result of Sampling & Analysis of Gaseous Emission:

| SL. No. | Parameter | Result | MPCB. Limits | Unit | Method of analysis |
|---------|--|--------|--------------|----------------------|-----------------------------|
| 1. | Gas Temperature | 48 | -- | °C | IS-11255, (Part-3) RA 2023 |
| 2. | Gas velocity | 7.5 | -- | m/s | IS-11255, (Part-3) RA 2023 |
| 3. | Gas flow rate | 430 | -- | Nm ³ /hr. | IS-11255, (Part-3) RA 2023 |
| 4. | Particulate Matter | 10.2 | 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 | <9.0 | -- | mg/Nm ³ | IS-11255, (Part-7) RA 2022 |
| 7. | Oxygen as O ₂ | 19.2 | -- | % | 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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Himani

Himani P. Joshi
(Report Reviewed By)



Reshma S. Patil

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- 25/03/26

Issue Date: 15/03/2025

| | | |
|---|---|---|
| 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- 25/03/26 |
| Sample Quantity | : | SO ₂ :1Bottle; NO ₂ :1 Bottle; Thimble-1. |
| Date & Time of sampling | : | 03/03/2025, 16:15 - 17:00 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 |
| Sampling Equipment Used | : | ST-I-03 |
| Calibration status | : | 17/12/2024 to 16/12/2025 |
| 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 |



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TC-7085

Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 24/03/26

Issue Date: 15/03/2025

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 | 8.9 | -- | m/s | IS-11255, (Part-3) RA 2023 |
| 3. | Gas flow rate | 517 | -- | Nm ³ /hr. | IS-11255, (Part-3) RA 2023 |
| 4. | Particulate Matter | 27.8 | 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 | 16.4 | -- | mg/Nm ³ | IS-11255, (Part-7) RA 2022 |
| 7. | Oxygen as O ₂ | 19 | -- | % | 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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Himani

Himani P. Joshi
(Report Reviewed By)



Reshma S. Patil

Reshma S. Patil.
(Authorized Signatory)

-End of Test Report-



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TC-7085

2

Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 25/03/27

Issue Date: 03/01/2025

| | | |
|---|---|---|
| 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- 25/03/27 |
| Sample Quantity | : | SO ₂ :1Bottle; NO ₂ :1 Bottle; Thimble-1. |
| Date & Time of sampling | : | 04/03/2025, 12:05 -12:50 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 | : | 27/03/2024 |
| Date of sample analysis | : | 27/03/2024 to 02/01/2025 |
| Sampling Equipment Used | : | ST-I-03 |
| Calibration status | : | 17/12/2024 to 16/12/2025 |
| 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- 25/03/27

Issue Date: 15/03/2025

D. Result of Sampling & Analysis of Gaseous Emission:

| SL. No. | Parameter | Result | MPCB. Limits | Unit | Method of analysis |
|---------|--|--------|--------------|----------------------|-----------------------------|
| 1. | Gas Temperature | 35 | -- | °C | IS-11255, (Part-3) RA 2023 |
| 2. | Gas velocity | 9.1 | -- | m/s | IS-11255, (Part-3) RA 2023 |
| 3. | Gas flow rate | 547 | -- | Nm ³ /hr. | IS-11255, (Part-3) RA 2023 |
| 4. | Particulate Matter | 7.4 | 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 | <9.0 | -- | 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 |
| 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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Himani

Himani P. Joshi
(Report Reviewed By)



Reshma

Reshma S. Patil.
(Authorized Signatory)

-End of Test Report-



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Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 24/03/27A

Issue Date: 15/03/2025

| | | | | | |
|---|-----------------------------------|--|-------------------------------|---------------------------|--------------------|
| Name of Customer | : | Galaxy Surfactants Limited | | | |
| Name of Site | : | Plot No. G-59, MIDC Tarapur, Tal & Dist.- Palghar. | | | |
| Discipline & Group | : | Chemical: Atmospheric Pollution | | | |
| Description of sample | : | Stack Emission | | | |
| Sample Identification number | : | ST- 24/03/27 | | | |
| Sample Quantity | : | Bladder-1. | | | |
| Date & Time of sampling | : | 04/03/2025, 12:05 -12:50 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 | : | 08/03/2025 | | | |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 | | | |
| 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 (m²) | : | 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 | | | |
| D. Result of Sampling & Analysis of Gaseous Emission: | | | | | |
| Sr.No. | Parameter | Result | MPCB. Limits | Unit | Method of analysis |
| 1. | Carbon dioxide as CO ₂ | 0.13 | -- | % | IS 13270, 2019 |
| | Carbon dioxide as CO ₂ | 1300 | -- | ppm | IS 13270, 2019 |

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Himani

Himani P. Joshi.
(Report Reviewed By)



R. S. Patil

Reshma S. Patil.
(Authorized Signatory)

-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- 24/03/28

Issue Date: 15/03/2025

| | | |
|---|---|---|
| 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- 25/03/28 |
| Sample Quantity | : | Acid mist 1. |
| Date & Time of sampling | : | 04/03/2025, 12:05-12:50 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 |
| Sampling Equipment Used | : | ST-I-03 |
| Calibration status | : | 17/12/2024 to 16/12/2025 |
| 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 |



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TC-7085

Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 25/03/28

Issue Date: 15/03/2025

D. Result of Sampling & Analysis of Gaseous Emission:

| SL. No. | Parameter | Result | MPCB. Limits | Unit | Method of analysis |
|---------|-----------------------------------|--------|--------------|----------------------|----------------------------|
| 1. | Gas Temperature | 35 | -- | °C | IS-11255, (Part-3) RA 2023 |
| 2. | Gas velocity | 2.4 | -- | m/s | IS-11255, (Part-3) RA 2023 |
| 3. | Gas flow rate | 41.8 | -- | Nm ³ /hr. | IS-11255, (Part-3) RA 2023 |
| 4. | Acid Mist | 6.2 | 35 | mg/Nm ³ | EPA-450/2-77-019: 2019 |
| 5. | 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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Reshmi

Himani P. Joshi
(Report Reviewed By)



Himani

Reshma S. Patil.
(Authorized Signatory)

-End of Test Report-

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(Stack Emission)****Ref. No.:** AESPL/LAB/C/ ST- 25/03/ 28A**Issue Date:** 15/03/2025

| | | |
|--|---|---|
| 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- 25/03/28A |
| Sample Quantity | : | Bladder: 1. |
| Date & Time of sampling | : | 04/03/2025, 13:10-13:40 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 |
| Sampling Equipment Used | : | ST-I-03 |
| Calibration status | : | 17/12/2024 to 16/12/2025 |
| 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 |

D. Result of Sampling & Analysis of Gaseous Emission:

| Sr.No. | Parameter | Result | MPCB. Limits | Unit | Method of analysis |
|--------|-----------------------------------|--------|--------------|------|--------------------|
| 1. | Carbon dioxide as CO ₂ | 0.11 | -- | % | IS 13270, 2019 |
| | Carbon dioxide as CO ₂ | 1100 | -- | ppm | IS 13270, 2019 |

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*Respatil***Himani P. Joshi
(Report Reviewed By)***Himani***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- 25/03/29

Issue Date: 15/03/2025

| | | |
|---|---|---|
| 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- 25/03/29 |
| Sample Quantity | : | SO ₂ :1Bottle; NO ₂ :1 Bottle; Thimble-1. |
| Date & Time of sampling | : | 04/03/2025, 14:05 - 14:55 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 |
| Sampling Equipment Used | : | ST-I-03 |
| Calibration status | : | 17/12/2024 to 16/12/2025 |
| 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 | : | 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- 25/03/29

Issue Date: 15/03/2025

D. Result of Sampling & Analysis of Gaseous Emission:

| SL. No. | Parameter | Result | MPCB. Limits | Unit | Method of analysis |
|---------|--|--------|--------------|----------------------|-----------------------------|
| 1. | Gas Temperature | 38 | -- | °C | IS-11255, (Part-3) RA 2023 |
| 2. | Gas velocity | 7.85 | -- | m/s | IS-11255, (Part-3) RA 2023 |
| 3. | Gas flow rate | 211 | -- | Nm ³ /hr. | IS-11255, (Part-3) RA 2023 |
| 4. | Particulate Matter | 9.7 | 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 | <9.0 | -- | mg/Nm ³ | IS-11255, (Part-7) RA 2022 |
| 7. | Oxygen as O ₂ | 19 | -- | % | 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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Himani

Himani P. Joshi
(Report Reviewed By)



R. Patil

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- 25/03/30**Issue Date:** 15/03/2025

| | | |
|---|---|---|
| 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- 25/03/30 |
| Sample Quantity | : | Acid mist 1. |
| Date & Time of sampling | : | 04/03/2025, 15:10 - 15:40 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 |
| Sampling Equipment Used | : | ST-I-03 |
| Calibration status | : | 17/12/2024 to 16/12/2025 |
| 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 | : | Steam Jet Ejector Vent, S8 |
| 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 |



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TC-7085

Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 25/03/30

Issue Date: 15/03/2025

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 | 2.2 | -- | m/s | IS-11255, (Part-3) RA 2023 |
| 3. | Gas flow rate | 61.1 | -- | Nm ³ /hr. | IS-11255, (Part-3) RA 2023 |
| 4. | Acid Mist | 10.7 | 35 | mg/Nm ³ | EPA-450/2-77-019: 2019 |
| 5. | 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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Himani

Himani P. Joshi
(Report Reviewed By)



Reshma

Reshma S. Patil.
(Authorized Signatory)

-End of Test Report-

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(Stack Emission)****Ref. No.:** AESPL/LAB/C/ ST- 25/03/30A**Issue Date:** 15/03/2025

| | | |
|--|---|---|
| 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- 25/03/30A |
| Sample Quantity | : | Bladder: 1. |
| Date & Time of sampling | : | 04/03/2025, 15:10-15:40 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 |
| Sampling Equipment Used | : | ST-I-03 |
| Calibration status | : | 17/12/2024 to 16/12/2025 |
| 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 | : | Steam Jet Ejector Vent, S8 |
| 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 |

D. Result of Sampling & Analysis of Gaseous Emission:

| Sr.No. | Parameter | Result | MPCB. Limits | Unit | Method of analysis |
|--------|-----------------------------------|--------|--------------|------|--------------------|
| 1. | Carbon dioxide as CO ₂ | 0.10 | -- | % | IS 13270, 2019 |
| | Carbon dioxide as CO ₂ | 1000 | -- | ppm | IS 13270, 2019 |

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**Himani P. Joshi
(Report Reviewed By)****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- 25/03/31

Issue Date: 15/03/2025

| | | |
|---|---|---|
| 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- 25/03/31 |
| Sample Quantity | : | Acid mist 1. |
| Date & Time of sampling | : | 04/03/2025, 16:00 - 16:30 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 |
| Sampling Equipment Used | : | ST-I-03 |
| Calibration status | : | 17/12/2024 to 16/12/2025 |
| 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 | : | Fume Extractor & Storage Tank, S7 |
| 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: | : | Caustic Scrubber |



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TC-7085

Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST- 25/03/31

Issue Date: 15/03/2025

D. Result of Sampling & Analysis of Gaseous Emission:

| SL. No. | Parameter | Result | MPCB. Limits | Unit | Method of analysis |
|---------|-----------------------------------|--------|--------------|----------------------|----------------------------|
| 1. | Gas Temperature | 37 | -- | °C | IS-11255, (Part-3) RA 2023 |
| 2. | Gas velocity | 2.4 | -- | m/s | IS-11255, (Part-3) RA 2023 |
| 3. | Gas flow rate | 66.4 | -- | Nm ³ /hr. | IS-11255, (Part-3) RA 2023 |
| 4. | Acid Mist | 12.4 | 35 | mg/Nm ³ | EPA-450/2-77-019: 2019 |
| 5. | 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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Himani

Himani P. Joshi
(Report Reviewed By)



Reshma S. Patil

Reshma S. Patil.
(Authorized Signatory)

-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****Test Report
(Stack Emission)****Ref. No.:** AESPL/LAB/C/ ST- 25/03/31A**Issue Date:** 15/03/2025

| | | |
|--|---|---|
| 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- 25/03/31A |
| Sample Quantity | : | Bladder: 1. |
| Date & Time of sampling | : | 04/03/2025, 16:00-16:30 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 |
| Sampling Equipment Used | : | ST-I-03 |
| Calibration status | : | 17/12/2024 to 16/12/2025 |
| 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 | : | Fume Extractor & Storage Tank, S7 |
| 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 |

D. Result of Sampling & Analysis of Gaseous Emission:

| Sr.No. | Parameter | Result | MPCB. Limits | Unit | Method of analysis |
|--------|-----------------------------------|--------|--------------|------|--------------------|
| 1. | Carbon dioxide as CO ₂ | 0.11 | -- | % | IS 13270, 2019 |
| | Carbon dioxide as CO ₂ | 1100 | -- | ppm | IS 13270, 2019 |

Note:

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**Himani P. Joshi
(Report Reviewed By)****Reshma S. Patil.
(Authorized Signatory)**

-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- 25/03/39

Issue Date: 15/03/2025

| | | |
|---|---|---|
| Name of Customer | : | Galaxy Surfactants Limited |
| Name of Site | : | Plot No. M-3, MIDC Tarapur, Tal & Dist.- Palghar, Maharashtra. |
| Discipline & Group | : | Chemical: Atmospheric Pollution |
| Description of sample | : | Stack Emission |
| Sample Identification number | : | ST- 25/03/39 |
| Sample Quantity | : | SO ₂ :1Bottle; NO ₂ :1 Bottle; Thimble-1. |
| Date & Time of sampling | : | 05/03/2025, 16:40-17:25 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 | : | 08/03/2025 |
| Date of sample analysis | : | 08/03/2025 to 14/03/2025 |
| Sampling Equipment Used | : | ST-I-03 |
| Calibration status | : | 17/12/2024 to 16/12/2025 |
| Project/ Job number | : | 4500184736 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 | : | Stack-3-DG Set-1010 KVA |
| Emission due to | : | Combustion of HSD |
| 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) | : | 7.50 |
| Height of sampling point from ground level (m) | : | -- |
| Diameter of Stack at sampling point (m) | : | 0.20 |
| Area of stack (m ²) | : | 0.031 |
| C. Analysis/ Characteristic of Stack: | | |
| Fuel used | : | HSD |
| 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- 25/03/39

Issue Date: 15/03/2025

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 | 7.3 | -- | m/s | IS-11255, (Part-3) RA 2023 |
| 3. | Gas flow rate | 578 | -- | Nm ³ /hr. | IS-11255, (Part-3) RA 2023 |
| 4. | Particulate Matter | 43.3 | 50 | mg/Nm ³ | IS-11255, (Part- 1) RA 2019 |
| 5. | Sulphur Dioxide as SO ₂ | 33.5 | -- | mg/Nm ³ | IS-11255, (Part-2) RA 2019 |
| 6. | Sulphur Dioxide as SO ₂ | 0.46 | 9.6 | Kg/day | IS-11255, (Part-2) RA 2019 |
| 7. | Oxide of Nitrogen NO _x as NO ₂ | 26.9 | -- | mg/Nm ³ | IS-11255, (Part-7) RA 2022 |
| 8. | Oxygen as O ₂ | 8.8 | -- | % | 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.

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Himani

Himani P. Joshi
(Report Reviewed By)



Reshma S. Patil

Reshma S. Patil.
(Authorized Signatory)

-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
(Ambient Air)****Ref. No.:** AESPL/LAB/C/ A- 25/03/13**Issue Date:** 15/03/2025

| 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 Air | | | |
| Location of Sampling | : | Near Boiler House | | | |
| Date of Sampling | : | 03/03/2025 | | | |
| Sampling Time | : | 11:15 to 11:15 hr | Duration | : | 24 Hr. |
| Sample Drawn By | : | AESPL | Transported By | : | AESPL |
| Date of Sample Receipt | : | 08/03/2025 | Sample Identification | : | A- 25/03/13 |
| Sample Quantity & Container | : | SO ₂ :1 Bottle; NO ₂ :1 Bottle; PM ₁₀ -1; PM _{2.5} -1; O ₃ : 1 Bottle. NH ₃ :1 Bottle; Bladder:1; CT:1 | | | |
| Date of Sample Analysis | : | 08/03/2025 to 14/03/2025 | | | |
| Sampling Environmental Conditions | : | Temperature:26-32°C; Rain fall: No; P _{bar} : 756 mmHg. | | | |
| Transportation Condition | : | Bottles < 5°C | Filter papers in plastic container | Bladder at ambient temp. | |
| Sampling Equipment | : | RDS-I-10 & FDS-I-08 | | | |
| Calibration Status | : | Calibration on 23/11/2024 due on 23/11/2025 Calibration on 24/11/2024 due on 24/11/2025 | | | |
| 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/A-01 | | | |
| Environmental Condition while Testing | : | Ambient Temperature: 28.2°C and Humidity: 52% | | | |
| Sr. No. | Parameter | Result | Limits # | Unit | Method of Analysis |
| 1. | Sulphur dioxide as SO ₂ | 34.1 | 80 * | µg/m ³ | IS 5182 (Part 2/Sec 1) 2023 |
| 2. | Nitrogen dioxide as NO ₂ | 44.3 | 80 * | µg/m ³ | IS 5182 (Part 6) RA2022 |
| 3. | PM ₁₀ | 87.2 | 100 * | µg/m ³ | IS 5182 (Part 23) RA2022 |
| 4. | PM _{2.5} | 33.7 | 60 * | µg/m ³ | IS 5182 (Part 24) RA2024 |
| 5. | Carbon monoxide as CO | 0.62 | 04 ** | mg/m ³ | IS 5182 (part 10) RA2019 |
| 6. | Ozone as O ₃ | 18.7 | 180 ** | µg/m ³ | IS 5182 (part 09) RA2019 |
| 7. | Ammonia as NH ₃ | 31.3 | 400 * | µg/m ³ | IS 5182 (part 25) RA 2023 |
| 8. | Benzo(a) pyrene as BaP | < 0.5 | 01 *** | ng/m ³ | IS 5182 (part 12) 2019 |
| 9. | Benzene[C ₆ H ₆] | < 0.2 | 05 *** | µg/m ³ | IS 5182 (part 11) RA2022 |

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS)2009.**Note:**

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*Himani***Himani P. Joshi
(Report Reviewed By)***Reshma***Reshma S. Patil.
(Authorized Signatory)**

-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****Test Report
(Ambient Air)****Ref. No.:** AESPL/LAB/C/ A- 25/03/13 A**Issue Date:** 15/03/2025

| | | | | | | |
|---------------------------------------|---------------|--------|---|--|--|-------------|
| 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 Air | | | |
| Location of Sampling | | : | Near Boiler House | | | |
| Date of Sampling | | : | 03/03/2025 | | | |
| Sampling Time | | : | 11:15 to 11:15 hr. | Duration | : | 24 Hr. |
| Sample Drawn By | | : | AESPL | Transported By | : | AESPL |
| Date of Sample Receipt | | : | 08/03/2025 | Sample Identification | : | A- 25/03/13 |
| Sample Quantity & Container | | : | PM ₁₀ -1 | | | |
| Date of Sample Analysis | | : | 08/03/2025 to 14/03/2025 | | | |
| Sampling Environmental Conditions | | | : | Temperature:26-32°C; Rain fall: No; P _{bar} : 756 mmHg. | | |
| Transportation Condition | | | : | Bottles < 5°C | Filter papers in plastic container | |
| Sampling Equipment | | | : | RDS-I-10 | | |
| Calibration Status | | | : | Calibration on 23/11/2024 due on 23/11/2025 | | |
| 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/A-01 | | |
| Environmental Condition while Testing | | | : | Ambient Temperature: 28.2°C and Humidity: 52% | | |
| Sr. No. | Parameter | Result | Limits # | Unit | Method of Analysis | |
| 1. | Lead as Pb | < 0.5 | 1.0 * | µg/m ³ | APHA Air method 822-3 rd Ed | |
| 2. | Nickel as Ni | < 5.0 | 20 *** | ng/m ³ | APHA Air method 822-3 rd Ed | |
| 3. | Arsenic as As | < 5.0 | 06 *** | ng/m ³ | APHA Air method 302-3 rd Ed | |

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS)2009.**Note:**

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*Himani***Himani P. Joshi
(Report Reviewed By)***Reshma S. Patil***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 (Ambient Air)

Ref. No.: AESPL/LAB/C/ A- 25/03/14

Issue Date: 15/03/2025

| | | | | | |
|---------------------------------------|---|---|--|------------------------------------|-----------------------------|
| 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 Air | | | |
| Location of Sampling | : | Near Main Gate | | | |
| Date of Sampling | : | 03/03/2025 | | | |
| Sampling Time | : | 11:30 to 11:30 hr | Duration | : | 24 Hr. |
| Sample Drawn By | : | AESPL | Transported By | : | AESPL |
| Date of Sample Receipt | : | 08/03/2025 | Sample Identification | : | A- 25/03/14 |
| Sample Quantity & Container | : | SO ₂ :1 Bottle; NO ₂ :1 Bottle; PM ₁₀ -1; PM _{2.5} -1; O ₃ : 1 Bottle. NH ₃ :1 Bottle; Bladder:1; CT:1 | | | |
| Date of Sample Analysis | : | 08/03/2025 to 14/03/2025 | | | |
| Sampling Environmental Conditions | | : | Temperature:26-32°C; Rain fall: No; P _{bar} : 756 mmHg. | | |
| Transportation Condition | | : | Bottles < 5°C | Filter papers in plastic container | Bladder at ambient temp. |
| Sampling Equipment | | : | RDS-I-02 & FDS-I-02 | | |
| Calibration Status | | : | Calibration on 23/11/2024 due on 23/11/2025 Calibration on 24/11/2024 due on 24/11/2025 | | |
| 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/A-01 | | |
| Environmental Condition while Testing | | : | Ambient Temperature: 28.2°C and Humidity: 52% | | |
| Sr. No. | Parameter | Result | Limits # | Unit | Method of Analysis |
| 1. | Sulphur dioxide as SO ₂ | 28.3 | 80 * | µg/m ³ | IS 5182 (Part 2/Sec 1) 2023 |
| 2. | Nitrogen dioxide as NO ₂ | 38.1 | 80 * | µg/m ³ | IS 5182 (Part 6) RA2022 |
| 3. | PM ₁₀ | 95.3 | 100 * | µg/m ³ | IS 5182 (Part 23) RA2022 |
| 4. | PM _{2.5} | 40.0 | 60 * | µg/m ³ | IS 5182 (Part 24) RA2024 |
| 5. | Carbon monoxide as CO | 0.79 | 04 ** | mg/m ³ | IS 5182 (part 10) RA2019 |
| 6. | Ozone as O ₃ | 21.1 | 180 ** | µg/m ³ | IS 5182 (part 09) RA2019 |
| 7. | Ammonia as NH ₃ | 29.8 | 400 * | µg/m ³ | IS 5182 (part 25) RA 2023 |
| 8. | Benzo(a) pyrene as BaP | < 0.5 | 01 *** | ng/m ³ | IS 5182 (part 12) 2019 |
| 9. | Benzene[C ₆ H ₆] | < 0.2 | 05 *** | µg/m ³ | IS 5182 (part 11) RA2022 |

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

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Himani

Himani P. Joshi
(Report Reviewed By)



Reshma

Reshma S. Patil.
(Authorized Signatory)

-End of Test Report-



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

Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A- 25/03/14 A

Issue Date: 15/03/2025

| | | | | | |
|---------------------------------------|---------------|---|-----------------------|--|--|
| 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 Air | | | |
| Location of Sampling | | : Near Boiler House | | | |
| Date of Sampling | | : 03/03/2025 | | | |
| Sampling Time | | : 11:30 to 11:30 hr. | Duration | : | 24 Hr. |
| Sample Drawn By | | : AESPL | Transported By | : | AESPL |
| Date of Sample Receipt | | : 08/03/2025 | Sample Identification | : | A- 25/03/14 |
| Sample Quantity & Container | | : PM ₁₀ -1 | | | |
| Date of Sample Analysis | | : 08/03/2025 to 14/03/2025 | | | |
| Sampling Environmental Conditions | | | : | Temperature:26-32°C; Rain fall: No; P _{bar} : 756 mmHg. | |
| Transportation Condition | | | : | Bottles < 5°C | Filter papers in plastic container |
| Sampling Equipment | | | : | RDS-I-02 | |
| Calibration Status | | | : | Calibration on 23/11/2024 due on 23/11/2025 | |
| 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/A-01 | |
| Environmental Condition while Testing | | | : | Ambient Temperature: 28.2°C and Humidity: 52% | |
| Sr. No. | Parameter | Result | Limits # | Unit | Method of Analysis |
| 1. | Lead as Pb | < 0.5 | 1.0 * | µg/m ³ | APHA Air method 822-3 rd Ed |
| 2. | Nickel as Ni | < 5.0 | 20 *** | ng/m ³ | APHA Air method 822-3 rd Ed |
| 3. | Arsenic as As | < 5.0 | 06 *** | ng/m ³ | APHA Air method 302-3 rd Ed |

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS)2009.

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Himani

Himani P. Joshi
(Report Reviewed By)



Reshma S. Patil

Reshma S. Patil.
(Authorized Signatory)

-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
(Ambient Air)****Ref. No.:** AESPL/LAB/C/ A- 25/03/15**Issue Date:** 15/03/2025

| 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 Air | | | |
| Location of Sampling | | : | Near Nebula Security Gate | | | |
| Date of Sampling | | : | 03/03/2025 | | | |
| Sampling Time | | : | 11:45 to 11:45 hr | Duration | : | 24 Hr. |
| Sample Drawn By | | : | AESPL | Transported By | : | AESPL |
| Date of Sample Receipt | | : | 08/03/2025 | Sample Identification | : | A- 25/03/15 |
| Sample Quantity & Container | | : | SO ₂ :1 Bottle; NO ₂ :1 Bottle; PM ₁₀ -1; PM _{2.5} -1; O ₃ : 1 Bottle. NH ₃ :1 Bottle; Bladder:1; CT:1 | | | |
| Date of Sample Analysis | | : | 08/03/2025 to 14/03/2025 | | | |
| Sampling Environmental Conditions | | | : | Temperature:26-32°C; Rain fall: No; P _{bar} : 756 mmHg. | | |
| Transportation Condition | | | : | Bottles < 5°C | Filter papers in plastic container | Bladder at ambient temp. |
| Sampling Equipment | | | : | RDS-I-03 & FDS-I-07 | | |
| Calibration Status | | | : | Calibration on 23/11/2024 due on 23/11/2025 Calibration on 24/11/2024 due on 24/11/2025 | | |
| 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/A-01 | | |
| Environmental Condition while Testing | | | : | Ambient Temperature: 28.2°C and Humidity: 52% | | |
| Sr. No. | Parameter | Result | Limits # | Unit | Method of Analysis | |
| 1. | Sulphur dioxide as SO ₂ | 31.6 | 80 * | µg/m ³ | IS 5182 (Part 2/Sec 1) 2023 | |
| 2. | Nitrogen dioxide as NO ₂ | 42.2 | 80 * | µg/m ³ | IS 5182 (Part 6) RA2022 | |
| 3. | PM ₁₀ | 90.5 | 100 * | µg/m ³ | IS 5182 (Part 23) RA2022 | |
| 4. | PM _{2.5} | 35.4 | 60 * | µg/m ³ | IS 5182 (Part 24) RA2024 | |
| 5. | Carbon monoxide as CO | 0.65 | 04 ** | mg/m ³ | IS 5182 (part 10) RA2019 | |
| 6. | Ozone as O ₃ | 19.3 | 180 ** | µg/m ³ | IS 5182 (part 09) RA2019 | |
| 7. | Ammonia as NH ₃ | 33.2 | 400 * | µg/m ³ | IS 5182 (part 25) RA 2023 | |
| 8. | Benzo(a) pyrene as BaP | < 0.5 | 01 *** | ng/m ³ | IS 5182 (part 12) 2019 | |
| 9. | Benzene[C ₆ H ₆] | < 0.2 | 05 *** | µg/m ³ | IS 5182 (part 11) RA2022 | |

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS)2009.**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.

*Himani***Himani P. Joshi
(Report Reviewed By)***Reshma***Reshma S. Patil.
(Authorized Signatory)**

-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

Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-25/03/15A

Issue Date: 15/03/2025

| | | | | | | |
|---------------------------------------|---------------|--------|---|--|--|------------|
| 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 Air | | | |
| Location of Sampling | | : | Near Nebula Security Gate | | | |
| Date of Sampling | | : | 03/03/2025 | | | |
| Sampling Time | | : | 11:45 to 11:45 hr. | Duration | : | 24 Hr. |
| Sample Drawn By | | : | AESPL | Transported By | : | AESPL |
| Date of Sample Receipt | | : | 08/03/2025 | Sample Identification | : | A-25/03/15 |
| Sample Quantity & Container | | : | PM ₁₀ -1 | | | |
| Date of Sample Analysis | | : | 08/03/2025 to 14/03/2025 | | | |
| Sampling Environmental Conditions | | | : | Temperature:26-32°C; Rain fall: No; P _{bar} : 756 mmHg. | | |
| Transportation Condition | | | : | Bottles < 5°C | Filter papers in plastic container | |
| Sampling Equipment | | | : | RDS-I-03 & FDS-I-07 | | |
| Calibration Status | | | : | Calibration on 23/11/2024 due on 23/11/2025 | | |
| 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/A-01 | | |
| Environmental Condition while Testing | | | : | Ambient Temperature: 28.2°C and Humidity: 52% | | |
| Sr. No. | Parameter | Result | Limits # | Unit | Method of Analysis | |
| 1. | Lead as Pb | < 0.5 | 1.0 * | µg/m ³ | APHA Air method 822-3 rd Ed | |
| 2. | Nickel as Ni | < 5.0 | 20 *** | ng/m ³ | APHA Air method 822-3 rd Ed | |
| 3. | Arsenic as As | < 5.0 | 06 *** | ng/m ³ | APHA Air method 302-3 rd Ed | |

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS)2009.

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.

Himani

Himani P. Joshi
(Report Reviewed By)



Reshma S. Patil

Reshma S. Patil.
(Authorized Signatory)

-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-19-00-29787



TC-7085

Test Report (Noise)

Ref. No.: AESPL/LAB/C/N-25/03/21

Issue Date: 13/03/2025

| | | | | | | | |
|--------------------------|-------------|---|------|-----------------------|-------|---------------------------------|------------|
| 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 1010KVA | | | | | |
| Date of Sampling | | : 03/03/2025 | | Period of Sampling | | : | DG Spot |
| Start Time of Sampling | | : 12:30Hr. | | End Time of Sampling | | : | 12.40Hr |
| Monitored By | | : AESPL | | Transported By | | : | AESPL |
| Date of Data Receipt | | : 08/03/2025 | | Sample Identification | | : | N-25/03/21 |
| Environmental Condition | | : Climate: Clear | | | | Ambient Temp: 34 ^o 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-06 | | | | | |
| Calibration Status | | : Calibrated on 16/09/2024; calibration due on 15/09/2025 | | | | | |
| 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 |
| 1. | DG-1010KVA | East | West | South | North | | |
| | Door closed | 73.6 | 73.1 | 73.8 | 73 | 73.4 | |
| | Door opened | 99.2 | 98.6 | 99.3 | 98 | 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:

- The test report shall not be reproduced except in full, without written approval of laboratory.
- Results relate only to the items tested.
- DG set Sound Pressure Level measured at 0.5m from the enclosure.
- Any query related to this report will be entertained within 15 days of the report issue date only.

Himani

Himani P. Joshi.
(Report Reviewed By)



Reshmi

Reshma S. Patil.
(Authorized Signatory)

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-19-00-29787



TC-7085

Test Report (Noise)

Ref. No.: AESPL/LAB/C/N-25/03/22

Issue Date: 13/03/2025

| | | | | | |
|---|---------------------------|---|--|-----------------------|--------------------|
| 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 | : | 03/03/2025 | Period of Sampling | : | Spot |
| Start & End Time of Sampling (Daytime) | : | 14.30 Hr. - 15.10Hr. | Start & End Time of Sampling (Nighttime) | : | 21.00 Hr.-21.40Hr. |
| Monitored By | : | AESPL | Transported By | : | AESPL |
| Date of Data Receipt | : | 08/03/2025 | Sample Identification | : | N-25/03/22 |
| Environmental Condition | : | Climate: Clear | | Ambient Temp: 35°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-06 | | | |
| Calibration Status | : | Calibrated on 16/09/2024; calibration due on 15/09/2025 | | | |
| 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 | | 58.7 | 59.5 | |
| 2. | Near Nebula Gate | | 61.5 | 60.2 | |
| 3. | Near DG Set | | 62.2 | 52.4 | |
| 4. | Near Boiler | | 67.3 | 66.0 | |
| 5. | Hot Air Generator | | 74.6 | 68.3 | |
| 6. | ETP Blower | | 73.4 | 69.5 | |
| 7. | SDP Plant | | 74.8 | 68.2 | |
| 8. | Powder Packing Room (SDP) | | 73.7 | 67.9 | |
| 9. | Q.A. | | 59.1 | 57.6 | |
| 10. | Nebula Vacuum Pump | | 73.9 | 68.1 | |
| Limit as per EP Act for Industrial area | | | 75 | 70 | |

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

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.

Himani

Himani P. Joshi.
(Report Reviewed By)



Reshmi

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 Jul 6, 2022

Date of issue**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 / 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 |
|-------|
| 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 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

Fatty Alcohol Sulphates/Sulfosuccinate (Powder/Needles)

Consent
Quantity

1200

Actual
Quantity

660.22

UOM

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/Quaternary 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 Process | Consent Quantity in m3/day | Actual Quantity in m3/day |
|-------------------------------|----------------------------|---------------------------|
| | 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