

Galaxy Surfactants Ltd.

22.01.2024

Environment Department Room no.217, 2nd Floor, Mantralaya Annex, Mumbai 400032.

Dear Sir,

Subject: Compliance report of Environment Clearance

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

Please find attached half yearly compliance report from July 2023 to December 2023, in compliance of Condition of our Environment Clearance letter dated 04.05.2018.

Kindly acknowledge receipt of this letter with its enclosure.

Thanking you, Cordially yours,

For Galaxy Surfactants Limited

Rajesh Khatavkar

Sr. Manager - Conversion Process

Encl: As above

I. P. C. BOARD

: 1. Maharashtra Pollution Control Board Sub Regional Office Tarapur-I, MIDC office compound Tarapur, Post: TAPS, Boisar (W), Tal.Dist. Palghar 401504

- 2. Ministry of Environment and Forest, Climate Change Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur-440001 through email id: eccompliance-mh@gov.in
- 3. Central Pollution Control Board Parivesh Bhavan, Opp. VMC Ward Office No.10, Subhanpura Vadodara – 390023, Gujarat D.C. COLONY COMPOUND

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

Regd. Office:

C-49/2, TTC Industrial Area, Pawne, Navi Mumbai - 400 703, India.

CIN No.: U39877MH1986PLC039877 Tel: + 91-22-65134444 / 27616666 Fax: + 91-22-27615883 / 27615886 E-mail: galaxy@galaxysurfactants.com Website: www.galaxysurfactants.com

CIN L39877MH19880_C039877

Email id galaxy@galaxvsurfactants com

COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE (Period: July 2023 – December 2023)

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								
2	Fatty Alcohol Sulphate (Colour Needles) - on 100% basis	200							
3	Fatty Alcohol Sulphate (Liquid)- on 100% basis	48							
4	Active preparations including anionic, cationic, amphoteric, non ionic surfactants such as fatty alcohol sulphates/Quatternary ammonium compounds/alkanol amides/Glycinates/Amineoxides/betaines/Quarternary ammonium compounds and surfactant blends	2083							
5	Speciality chemicals such as polymeric conditioners, polyquats, preservatives, fatty acid esters	416							
6	Sunscreens	625							
7	Rec-Acetic Acid (on 100% basis)	70							
8	Rec. Methanol	15							
9	HCI 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					
1	The Environment Clearance is issued subject to condition that PP to achieve Zero Liquid Discharge; PP shall ensure that there is no increase in the effluent load to CETP.	1 No trade effluent discharge in respect of existing production.					
II	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	No additional land acquired.					
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	We have separate SHE department to take care of health and safety of the people working in the unit. We conduct monthly meeting monitoring health and safety of the people. Half yearly health checkup of workers is being carried out on regular basis and the records are maintained as per Factories Act. Half yearly Health checkup completed in the month of August 2023. Next Health checkup is due in February 2024					
IV	Proper Housekeeping programmers shall be implemented.	We are maintaining proper housekeeping within premises.					
V	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of the operation and shall not be restarted until the desired efficiency has been achieve.	In case of failure of pollution control Equipment, the complete unit is being shut down and resumed only after the said equipment is rectified. We assure that the same practice will be followed in future also.					
VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollution from DG Set (If applicable).	Existing :- Complied Expansion:- Complied					
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	We have procured necessary material for starting Rainwater harvesting system and will be completed by 31st Mar. 2024					
VIII	Arrangement shall be made that effluent and storm water does not get mixed.	Separate arrangements are made for effluent and storm water.					
IX	Periodic Monitoring of ground water shall be undertaken, and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	The project is a Zero Liquid Discharge (ZLD) Unit. Entire effluent is reused by recycling through ETP with Primary, Secondary & Tertiary treatment with RO & MEE & ATFD. We will not use ground water in our process.					

		We have obtained membership of Mumbai Waste Management Limited (MWML) We maintain the record for hazardous waste generation & disposal in Form 3 and submit the Annual return in Form 4 to MPCB.
XVII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.	On-site emergency management plan prepared. Regular mock drills are carried out.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Environment management cell is set up
XIX	Separate funds shall be allocated for implementation of environmental protection measures / EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year wise expenditure should reported to the MPCB and this department.	We have budgeted separate funds for environment protection measures. We have utilized Rs.10,97,43,579/towards procurement of all the ETP and scrubber system as on 31.12.2023.
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.	
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.	
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.	EC copy published on website of the Company.
XXIII	The proponent shall upload the status of	Status of compliance of the stipulate

100			
	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.	The operating personnel use protective equipment like earmuff and earplug.
	ΧI	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 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.	are planted around the plant periphery. 120 Tree plants have been planted in the
	XIII	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.	Adequate safety measures taken within plant boundary. Leak detection devices installed at strategic places.
	XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	We have separate SHE department to take care of health and safety of the people working in the unit. We conduct monthly meeting monitoring health and safety of the people. Half yearly health checkup of workers are done on regular basis and the records are maintained as per Factories Act. Half yearly Health checkup completed in the month August 2023. Next Health checkup is due in February 2024.
	XV	The Company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Fire prevention and life safety measures are installed in the premises. Jumpers and sprinklers installedComplied.
3		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.
		obtained for collections / treatment / storage /	Waste to authorized vendors.

	including results of monitored data on their	monitored data is being uploaded on our
	website and shall update the same periodically.	website on regular basis.
	It shall simultaneously be sent to the Regional	The Criteria Pollutant Levels are
	Office of MoEF, the respective zonal office of	The state of the s
	CPCB and the SPCB. The criteria pollutant levels	displayed on the main gate of the
	namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as	Company.
	well as stack emissions) or critical sectoral	Disease refer analoged Approvire A for
	parameters, indicated for the project shall be	Please refer enclosed Annexure A for
	monitored and displayed at a convenient	latest Stack Emission reports.
	location near the main gate of the company in	
NO.00 :	the public domain.	Half was the Danauta are submitted
XXIV	The project proponent shall also submit six	Half yearly Reports are submitted.
	monthly reports on the status of compliance of	
	the stipulated EC Conditions including results of	
	monitored data (both in hard copies as well as	
ll v	by email) to the respective Regional Office of	
	MoEF, the respective Zonal Office of CPCB and	
2007	the SPCB.	
XXV	The environmental statement for each financial	F
	year ending 31 st March in Form – V as is	Environment statement for the year
	mandated to be submitted by the project	2022-2023 submitted online with the
	proponent to the concerned State Pollution	MPCB website on 26.9.2023.
	Control Board as prescribed under the	Carry of Environment statement will be
	Environment (Protection) Rules, 1986, as	Copy of Environment statement will be
	amended subsequently, shall also be put on the	displayed on the Company website
	website of the Company along with the status of	along with status of EC Conditions and
	compliance of EC conditions and shall also be	will also be sent to Regional Officers of
	sent to the respective Regional Offices of MoEF	MoEF by email.
	by email.	

For Galaxy Surfactants Limited

Rajesh Khatavkar

Sr. Manager – Conversion Process

SIX MONTHLY COMPLIANCE REPORT PART I: DATA SHEET

(Period: July 2023- December 2023)

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	 Amenity Block - 388.22 SQ.M. Dock Leveler - 24.62 SQ.M. Drum Shed - 162.45 SQ.M. Drum Yard & Scrap Yard - 100.0 SQ.M. ETP - 1109.01 SQ.M. FO Tank - 47.50 SQ.M. Plant Building - 5842.46 SQ.M. Pump Room - 66.31 SQ.M. Unloading Shed - 163.16 SQ.M. Utility Building - 716.78 SQ.M.

	The season series	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.97.69 Crores				
	b. Allocation made for environmental management plans with item wise and year wise break up.	Company has spent Rs.10,97,43,579/- towards procurement & installation of all the ETP, MEE+ATFD, RO, Sludge Dryer, Chimney, and scrubber system as on 31.12.2023. (ETP asset capitalized + phase 2 ETP CWIP)				
	c. Benefit cost ratio / Internal Rate of	New Project				
	Return and the year of assessment					
	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 91.08 Crores as on 31.12.2023. (Phase 1 Capitalization + CWIP as on as on 31st December 2023)				
	c) Actual expenditure incurred on the environmental management plans so far	Rs.10,97,43,579/- as on 31.12.2023				
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					

	 The dates on which the project was monitored by the Regional Office on the previous occasions, if any. 	
	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



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



Test Report (Ambient Air)

Issue Date: 30/11/2023 Ref. No.: AESPL/LAB/C/ A-23/11/98

Kei. N	o.: AESPL/LAB/C/ A-23		/98 ISSUE Date: 50/11/2025									
Name of	of Customer & Contact : Galaxy Surfactants Limited. Mr. Anup Raut. ⊘ 9970440101. ☑ Anup.Raut@galaxysurfactants.com											
Details				*				The state of the s				
Name of	Site	:							- Palgha	r, N	Iaharashtra.	
Disciplin	e & Group	1	Chemica	Chemical: Atmospheric Pollution								
Descripti	on of Sample	:		Ambient Air								
Location	of Sampling	2 0	Near Ut	Near Utility Area in between ETP area								
Date of S	ampling	:	20/11/							·	T	
Sampling		:	09:30 to	09	:30 l	The second second second		ation		:		
Sample D	rawn By	8	AESPL					isported By			AESPL	
	ample Receipt		24/11/	202	3						A-23/11/98	
Sample Q	uantity & Container	:						M_{10} -1; $PM_{2.5}$	-1; O ₃ : 1	Во	ttle & NH₃:1 Bottle;	
	2000		Bladder								and the second s	
	ample Analysis	:	24/11/	202	3 to	30/11/2	2023	3	a 11 11		arr II	
	Environmental Condi	tio	ns							Pb	ar: 755 mmHg.	
Transpor	rtation Condition			:		tles <	1 1				er, charcoal tube at	
					5°C		plastic container ambient temp.					
	g Equipment			: RDS-I-04 & FDS-I-04								
	on Status			: Calibration on 31/12/2022 due on 30/12/2023								
	Job number			: AESPL/ Q/2023-24/GSL-Tarapur/29(Rev.01) Dtd: 12.08.23								
Reference	e of Sampling			: AESPL/LAB/QR/7.3.3/R-02								
Method o	of Sampling & Preserva	itio	n	: AESPL/LAB/SOP/7.3.1/A-01								
Environr	nental Condition while	Te		:				29°C; RH-40			C A 1 - 1 -	
Sr. No.	Parameter		Res	17.110.11.11		Limits		Unit			of Analysis	
1.	Sulphur dioxide as SO ₂		31.			80 *		μg/m³			Part 2) RA2017	
2.	Nitrogen dioxide as NC)2	50.		-	80 *		μg/m ³			Part 6) RA2022	
3.	PM ₁₀		114			100 '		μg/m ³			Part 23) RA2022	
4.	PM _{2.5}	_	43.			60 *		μg/m ³			Part 24) 2019 part 10) RA2019	
5.	Carbon monoxide as C	0_	0.8			04**		mg/m³			part 10) RA2019	
6						180 *		μg/m ³			part 25) RA 2018	
7	Ammonia as NH ₃ 37					400		μg/m ³			part 12) 2004	
8.	Benzo(a)pyrene as Bal		< 0			1.0 *		ng/m ³			method 822-3rdEd	
9. Lead as Pb <0						20 **		μg/m³ ng/m³			method 822-3rdEd	
10.	Nickel as Ni		< 5			06 **		ng/m ³			method 302-3rdEd	
11.	Arsenic as As										part 11) RA2022	
12.	Benzene as C ₆ H ₆		< (<0.2 05 *** μg/m³ IS 5182 (p					Jail II) IMZUZZ			

Benzene as C₆H₆ < 0.2 [#] 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 except PM_{10} within the levels stipulated under National Ambient Air Quality Standards 2009.

Note:

- 1. The test report shall not be reproduced except in full, without written approval of laboratory.
- Results relate only to the items tested.

guery related to this report will be entertained within 15 days of the report issue date only.

n Rule is applied.

an Pramanik

(Authorized Signatory)



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



Test Report (Ambient Air)

Issue Date: 30/11/2023 Ref. No.: AESPL/LAB/C/ A-23/11/99

Rei. I	No.: AESPL/LAB/C/ A-2:		1/99						13346	Da	ite: 30/11/2023
Name of	of Customer & Contact : Galaxy Surfactants Limited.										
Details		Mr. Anup Raut. Ø 9970440101. ☑ Anup.Raut@galaxysurfactants.com									
Name of	Site										
Disciplin	cipline & Group : Chemical: Atmospheric Pollution										
Descript	Description of Sample : Ambient Air										
Location	of Sampling : Near Nebula Security Gate										
Date of Sampling : 20/11/2023 to 21/11/2023										I	
Sampling	g Time	:	09:45 to	09	:45 }			ation		:	
	Drawn By		AESPL				Trai	nsported By	/		AESPL
Date of S	Sample Receipt		24/11/	202	3		Sam	ple Identifi	cation	1	A-23/11/99
Sample (Quantity & Container	:						M_{10} -1; $PM_{2.5}$;-1; 0 ₃ : 1	Во	ottle & NH3:1 Bottle;
-	12		Bladder			The second secon	DED A SACROUP				
	Sample Analysis	;									
	g Environmental Condi	tio	ns	:						Pba	ar: 755 mmHg.
Transpo	rtation Condition			8 0		tles <		lter papers i	8.50%		er, charcoal tube at
					5°C plastic container ambient temp.						ent temp.
	g Equipment			: RDS-I-05 & FDS-I-05							
Calibrati	ion Status			: Calibration on 31/12/2022 due on 30/12/2023							
	Job number			: AESPL/ Q/2023-24/GSL-Tarapur/29(Rev.01) Dtd: 12.08.23							
	ce of Sampling			: AESPL/LAB/QR/7.3.3/R-02							
Method	of Sampling & Preserva	itio	n	: AESPL/LAB/SOP/7.3.1/A-01							
Environ	mental Condition while	Te		:				29°C; RH-40			
Sr. No.	Parameter		Res	_		Limits		Unit			f Analysis
1.	Sulphur dioxide as SO ₂		37.			80 *		μg/m³			Part 2) RA2017
2.	Nitrogen dioxide as NO)2	54.			80 *		μg/m³		_	Part 6) RA2022
3.	PM ₁₀	-	128			100		μg/m³			Part 23) RA2022
4.	PM _{2.5}		46.	_		60 *		μg/m³			Part 24) 2019
5.	Carbon monoxide as C	0_	3.0			04*		mg/m³			part 10) RA2019
6.	Ozone as O ₃			25		180 *		μg/m³			part 9) RA2019
7.	Ammonia as NH ₃		43.			400		μg/m³			part 25) RA 2018
8.	Benzo(a)pyrene as Bal	,	< (01**		ng/m³			part 12) 2004
9.	Lead as Pb		< 0			1.0 *		μg/m ³			method 822-3 rd Ed method 822-3 rd Ed
10.	Nickel as Ni		< 5			20 **		ng/m³			method 302-3rdEd
11.	Arsenic as As			5.0		06 ** 05 **		ng/m³			part 11) RA2022
12.	Benzene as C ₆ H ₆		<().2	. 0.			μg/m³	12 218	<u> </u>	Jail II) NAZUZZ

[#] 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 except PM_{10} within the levels stipulated under National Ambient Air Quality Standards 2009.

Note:

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- Results relate only to the items tested.

query related to this report will be entertained within 15 days of the report issue date only. n Rule is applied.

(Authorized Signatory)



Testing Laboratory is certified by ISO 9001:2015&ISO 45001:2018

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024

Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: pglab@aespl.co.in

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



Test Report (Ambient Air)

Rei. I	Ref. No.: AESPL/LAB/C/ A-23/11/100 Issue Date: 50/11/2025											
Separation of particular	ame of Customer & Contact : Galaxy Surfactants Limited.											
Details		Mr. Anup Raut. Ø 9970440101. ☑ Anup.Raut@galaxysurfactants.com										
Name of	Site	: Plot No. G-59, MIDC Tarapur, Tal & Dist Palghar, Maharashtra.										
Discipline & Group : Chemical: Atmospheric Pollution												
Descript	ion of Sample	:	Ambien				1.514.39				AMERICAN CONTRACTOR OF THE PARTY OF THE PART	
Location	of Sampling	:	Near M									
Date of S	ampling					21/11/2						
Sampling		8	10:00 to	0 10	0:00	The state of the s	-	ation		:		
	Orawn By	:	AESPL					nsported By			AESPL	
	ample Receipt	:	24/11/				Sam	ple Identifi	cation	:	A-23/11/100	
Sample (Quantity & Container	:							;-1; O ₃ : 1	Bo	ttle & NH₃:1 Bottle;	
						coal Tub						
	ample Analysis	:				30/11/2						
	g Environmental Condi	tio	ns	:							ar: 755 mmHg.	
Transpo	rtation Condition			:		tles <	Fi	er, charcoal tube at				
					5°C plastic container ambient temp.						nt temp.	
	g Equipment			: RDS-I-06 & FDS-I-06								
Calibrati	ion Status			: Calibration on 31/12/2022 due on 30/12/2023								
Project/	Job number			: AESPL/ Q/2023-24/GSL-Tarapur/29(Rev.01) Dtd: 12.08.23								
Reference	ce of Sampling			: AESPL/LAB/QR/7.3.3/R-02								
Method o	of Sampling & Preserva	tio	n	: AESPL/LAB/SOP/7.3.1/A-01								
Environ	nental Condition while	Te		-				29°C; RH-40				
Sr. No.	Parameter		Res			Limits	_	Unit			f Analysis	
1.	Sulphur dioxide as SO ₂		28.			80 *		μg/m³			Part 2) RA2017	
2.	Nitrogen dioxide as NO	2	42.			80 *		μg/m³			Part 6) RA2022	
3.	PM ₁₀		120			100 *		μg/m³			Part 23) RA2022	
4.	PM _{2.5}		38.			60 *		μg/m³			art 24) 2019	
5.	Carbon monoxide as CO)	0.9			04 **		mg/m³			oart 10) RA2019	
6.	Ozone as O ₃		14.			180 *		μg/m³			oart 9) RA2019	
7.	Ammonia as NH ₃		32.	74		400 *		μg/m³		-	oart 25) RA 2018	
8.	Benzo(a)pyrene as BaP	oyrene as BaP <				01 ***		ng/m³			oart 12) 2004	
9.	Lead as Pb		< 0			1.0 *		μg/m³			method 822-3rdEd	
10.	Nickel as Ni		< 5			20 ***		ng/m³			method 822-3rdEd	
11.	Arsenic as As		< 5	_		06 ***		ng/m³			method 302-3rdEd	
12.	Benzene as C ₆ H ₆		< 0	.2		05 ***	ąc .	μg/m³	IS 5182	(r	oart 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 2009.

Note:

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- 2. Results relate only to the items tested.
- 3. Any query related to this report will be entertained within 15 days of the report issue date only.

cision Rule is applied.

(Authorized Signatory)



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Test Report (Workplace)

Issue Date: 04/12/2023 Ref. No.: AESPL/LAB/C/WP-23/11/61

Name of Customer & Contact										
Details		Mr. Anup Raut -9970440101,								
		Email: Anup.Raut@galaxysurfactants.com								
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist Palghar, Maharashtra.								
Description of Sample	:	Wor	rkr	olace						
Location of Sampling	:	Neb	ula	a Plant, 2nd I	Floo	r				
Date of Sampling	9	20/	11	/2023						
Sampling Time	:	12:3	30	to 1:00 hr.	-	uration	:	30 min.		
Sample Drawn By	;	AES	PL		Tı	ansported By	:	AESPL		
Date of Sample Receipt	:			/2023		mple		A-23/11/61		
Sample Quantity & Container	:				ıl; N	Ox:1 Bottle x 30 ml;	SPM	l paper:1.		
		Cha	rcc	oal Tube:1						
Date of Sample Analysis	8	29/	11	/2023 to 02/						
Sampling Environmental Cond	itio	ns	:	Temperatu	re:2	8-38°C; Rain fall: No	; Pba	_{bar} : 754 mmHg.		
Transportation Condition			:	Bottles < 5°	C	Filter papers in plastic container	100	harcoal tube at ambient emp.		
Sampling Equipment			:	1.RDS-I-07						
Calibration Status			:	1.Calibrated on 31/12/2022 Due on 30/12/2023						
Project/ Job number				AESPL/ Q/2023-24/GSL-Tarapur/29(Rev.01) dtd 12.05.2023						
Reference of Sampling			:	AESPL/LAE	3/Q	R/7.3.3/R-02				
Method of Sampling & Preserva	atio	on	n e	AESPL/LAB/SOP/7.3.1/WP-01						
Environmental Condition while Testing	:	Ambient Temperature: 25.1°C and Humidity: 58%								
			P	ollution Par	am	eters				

1 Uliquoti i di allicolo									
Parameter	Result	Limits As per OSHA (PEL)	Method of sampling & analysis						
VOC, ppm	< 1.0	25 ppm	USEPA TO-17						
Sulphur dioxide, mg/m ³	0.020	13 mg/m³	IS 5182 (Part 2) 2001						
Oxides of Nitrogen, mg/m ³	0.025	9 mg/m ³	IS 5182 (Part 6) 2006						
Particulate Matter, mg/m ³	0.306	15 mg/m ³	IS 5182 (Part 23) 2006						

PEL-Permissible Exposure Limit.

Conformity Statement: The monitoring undertaken indicates that Workplace Air Quality Values for monitored parameters are within the levels stipulated under OSHA (PEL).

Note:

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

Reshma S. Patil. (Authorized Signatory)



Testing Laboratory is certified by ISO 9001:2015&ISO 45001:2018
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Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: pglab@aespl.co.in
Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-00-29787

Test Report (Workplace)

Name of Customer & Contact	1:	Galaxy Surfactants Limited									
Details											
Details		Mr. Anup Raut -9970440101,									
		Ema	Email: Anup.Raut@galaxysurfactants.com								
Name of Site	:	Plot	N	o. G-59, MID	СТа	arapur, Tal & Dist	- Palgh	ar, Maharashtra.			
Description of Sample	:			olace							
Location of Sampling	:	Pow	rde	er Packing ro	om	, SDP plant					
Date of Sampling	:			/2023							
Sampling Time	:	11:1	0	to 11:40 hr.	D	uration	:	30 min.			
Sample Drawn By	:	AES	PL	,	T	ransported By	:	AESPL			
Date of Sample Receipt	;	29/1	11	/2023		ample	:				
Sample Quantity & Container	:	SO ₂ :	11	Bottle x 30 m	l; N	Ox:1 Bottle x 30 r	nl; SPM	I paper:1.			
				oal Tube:1			65	* *			
Date of Sample Analysis	:	29/1	11	/2023 to 02/	12	/2023	S/m				
Sampling Environmental Cond	litio	ns	: Temperature:28-38°C; Rain fall: No; Pbar: 754 mmHg.								
Transportation Condition			2 0	Filter nano				harcoal tube at ambient			
				Bottles < 5°	C	plastic containe		r temp.			
Sampling Equipment	24511			1.RDS-I-07							
Calibration Status			0	1.Calibrated on 31/12/2022 Due on 30/12/2023							
Project/ Job number				AESPL/ Q/2023-24/GSL-Tarapur/29(Rev.01) dtd 12.05.2023							
Reference of Sampling			0 4	AESPL/LAB/QR/7.3.3/R-02							
Method of Sampling & Preserv	atio	n	:	AESPL/LAB/SOP/7.3.1/WP-01							
Environmental Condition while Testing				Ambient Temperature: 25.1°C and Humidity: 58%							
			P	ollution Par	am	eters					
Parameter R				sult Limits As per Method of sampli				hod of sampling &			

Parameter	Result	Limits As per OSHA (PEL)	Method of sampling & analysis		
VOC, ppm	< 1.0	25 ppm	USEPA TO-17		
Sulphur dioxide, mg/m³	0.016	13 mg/m ³	IS 5182 (Part 2) 2001		
Oxides of Nitrogen, mg/m³	0.024	9 mg/m ³	IS 5182 (Part 6) 2006		
Particulate Matter, mg/m³	0.314	15 mg/m ³	IS 5182 (Part 23) 2006		

PEL-Permissible Exposure Limit.

Conformity Statement: The monitoring undertaken indicates that Workplace Air Quality Values for monitored parameters are within the levels stipulated under OSHA (PEL).

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.

Reshma & Patil.

(Authorized Signatory)



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



TC-7085

<u>Test Report</u> (Stack Emission)

Ref. No.: AESPL/LAB/C/ST-23/11/65	tack	Emissi	lon	Description of the second of t			
Name of Customer & Contact Details	T:	Calas	777	Issue Date: 05/12/2023			
	1.		Galaxy Surfactants Limited. Ar. Anup Raut. © 9970440101.				
				up.Raut@galaxysurfactants.com			
Name of Site	٠.			p. G-59, MIDC Tarapur, Tal & Dist Palghar,			
	1			ashtra.			
Discipline & Group	1:	The state of the s	This Fig.	cal: Atmospheric Pollution			
Description of sample				Emission			
Sample Identification number	1			/11/65			
Sample Quantity				ottle; NO ₂ :1 Bottle; Thimble-1.			
Date & Time of sampling	-			/2023, 10:00-10:28 hr.			
Sampling Environmental Conditions	-			2025, 10:00-10:28 nr. 31°C; Rain fall: No; P _{bar} :753 mmHg.			
Transportation Condition	+:			Think I DI II .			
	1	Bottle	es <	< 5°C Thimbles in Bladders at ambient temp.			
Sample Monitored & Transported by	1:	AESPI	,	plastic container ambient temp.			
Date of sample receipt	:	29/11		2023			
Date of sample analysis	:	-	-	2023 to 02/12/2023			
Sampling Equipment Used	1:	ST-I-0					
Calibration status	;	25/11	/2	2023 to 25/11/2024			
Dwoloot/Johnson	:	AESPL/Q/2023-24/GSL-Tarapur/29(Rev.01)					
Project/ Job number		Date: 12.05.2023					
Reference of sampling	:		100000	LAB/QR/7.3.3/R-02			
Method of sampling & preservation	1			LAB/SOP/7.3.1/ST-01			
Environmental Condition while Testing	:	Temperature: 27°C; RH-40%					
A. General Information About Stack:				, , , , , , , , , , , , , , , , , , , ,			
Stack Connected to				Needle plant blower			
Emission due to			:				
Material of construction of stack			8				
Shape of stack				Circular			
Whether stack is provided with permanent pla	atfor	m		Yes			
B. Physical Characteristics of Stack:							
Height of stack from ground level (m)			:	15			
Height of sampling point from ground level (m	1)		3	100			
Diameter of Stack at sampling point (m)			8				
Area of stack (m²) C. Analysis/ Characteristic of Stack:			8	0.0176			
Fuel used				NT.			
Fuel consumption (Liter/day.)			:				
Details of pollution control devices attached w	ith L	ho					
	iun t	ne					
stack:							



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Test Report (Stack Emission)

Ref.	No.: AESPL/LAB/C/ST-23/11/6	Issue Date: 05/12/2023			
D. R. SL.	esult of Sampling & Analysis of Parameter	Gaseous E Result	MPCB.	Unit	Method of analysis
No.	G. III.	26	Limits	°C	IS-11255, (part- 1,3) 2018-19
1. 2.	Gas Temperature Gas velocity	36 8.25		m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	492		Nm³/hr.	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	22.21	50	mg/Nm ³	IS-11255, (part-1,3) 2018-19 IS-11255, (part-2) 2019
5.	Sulphur Dioxide as SO ₂ Oxide of Nitrogen NO _x as NO ₂	<5.00 <9.00		mg/Nm ³ mg/Nm ³	IS-11255, (part-7) 2017
6. 7.	Oxygen as O ₂	20.40		%	IS 13270, 2019
8.	Carbon dioxide as CO ₂	<0.20		%	IS 13270, 2019

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

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.

4. Decision Rule is applied.

Pramanik (Authorized Signatory)



Testing Laboratory is certified by ISO 9001:2015& ISO 45001:2018
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Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST-23/11/66				Issue Date: 05/12/2023					
Name of Customer & Contact Details	:	Galax	y S	urfactants Limited.					
		Mr. A	. Anup Raut. @ 9970440101.						
		M Ai	ıur	up.Raut@galaxysurfactants.com					
Name of Site	:	Plot	lo.	G-59, MIDC Tarapur, Tal & Dist Palghar,					
		Maha							
Discipline & Group	:	Chem	ica	l: Atmospheric Pollution					
Description of sample	:	Stack	En	nission					
Sample Identification number	:	ST- 23	3/1	1/66					
Sample Quantity	:	SO2:1	Bot	ttle; NO2:1 Bottle; Thimble-1.					
Date & Time of sampling	:		_	023, 11:10-11:28 hr.					
Sampling Environmental Conditions	0			1°C; Rain fall: No; P _{bar} :753 mmHg.					
Transportation Condition	:	Bottle		Thimbles in Di-11					
Sample Monitored & Transported by	:	AESPI	_						
Date of sample receipt	8	29/11	/2	023					
Date of sample analysis	:	29/11	/2	023 to 02/12/2023					
Sampling Equipment Used	:	ST-I-0	1						
Calibration status	:	14/01	./2	023 to 14/01/2024					
Project/ Job number	9	AESPI 12.05.	ا/د 20	Q/2023-24/GSL-Tarapur/29(Rev.01) Date: 23					
Reference of sampling	:	AESPI	ESPL/LAB/QR/7.3.3/R-02						
Method of sampling & preservation	:			AB/SOP/7.3.1/ST-01					
Environmental Condition while Testing			Temperature: 29°C; RH-46.1%						
A. General Information About Stack:									
Stack Connected to			:	S6, Spray dryer plant vent					
Emission due to			8	Process Activity					
Material of construction of stack			;	MS					
Shape of stack			:	Circular					
Whether stack is provided with permanent pla	atfor	m	2	Yes					
B. Physical Characteristics of Stack:									
Height of stack from ground level (m)			:	25					
Height of sampling point from ground level (m	1)		:						
Diameter of Stack at sampling point (m)	_	***************************************	;	0.52					
Area of stack (m²)			1	0.212					
C. Analysis/ Characteristic of Stack: Fuel used				NI A					
Fuel consumption (Liter/day.)			:	NA.					
Details of pollution control devices attached w	ith +	ho	:	NA.					
stack:	ILII C	ne	:	Multi Cyclone					
J. C.									



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TC-7085

Date: 05 /12 /2022

<u>Test Report</u> (Stack Emission)

Ref. No.: AESPL/LAB/C/ST-23/11/66

Rei.	NO.: AESPL/LAB/C/31-23/11/6	Issue Date: 05/12/2023				
D. R	esult of Sampling & Analysis o	f Gaseous E	mission:	The second second	A Survey and	
SL. No.			MPCB. Limits	Unit	Method of analysis	
1.	Gas Temperature	79		°C	IS-11255, (part- 1,3) 2018-19	
2.	Gas velocity	13.90		m/s	IS-11255, (part- 1,3) 2018-19	
3.	Gas flow rate	8768		Nm³/hr.	IS-11255, (part- 1,3) 2018-19	
4.	Particulate Matter	40.99	50	mg/Nm ³	IS-11255, (part-1,3) 2018-19	
5.	Sulphur Dioxide as SO ₂	<5.00		mg/Nm ³	IS-11255, (part-2) 2019	
6.	Oxide of Nitrogen NO _x as NO ₂	25.17		mg/Nm ³	IS-11255, (part-7) 2017	
7.	Oxide of Nitrogen NO _x as NO ₂	13.70		ppm	IS-11255, (part-7) 2017	
8.	Oxygen as O ₂	20.00		%	IS 13270, 2019	
9.	Carbon dioxide as CO ₂	<0.2		%	IS 13270, 2019	

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

Note:

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- 4. Decision Rule is applied.

Anjan Prapaanik (Authorized Signatory)



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Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 23/12/67				Issue Date: 05/12/2023		
Name of Customer & Contact Details	:	Galax	y S	Surfactants Limited.		
Light 1		Mr. A	nuj	p Raut. @ 9970440101.		
		⊠ <u>Ar</u>	up	o.Raut@galaxysurfactants.com		
Name of Site	:	Plot N	0.	G-59, MIDC Tarapur, Tal & Dist Palghar,		
		Maha				
Discipline & Group	:	Chem	ica	al: Atmospheric Pollution		
Description of sample	;	Stack	En	mission		
Sample Identification number	:	ST- 23	3/1	12/67		
Sample Quantity	:	SO2:1	Bot	ttle; NO2:1 Bottle; Thimble-1.		
Date & Time of sampling	:	20/12	/2	2023, 12:00-12:20 hr.		
Sampling Environmental Conditions	:	Temp	:3:	1°C; Rain fall: No; P _{bar} :753 mmHg.		
Transportation Condition	:	Bottle		Thimbles in Dladdens at		
Sample Monitored & Transported by	:	AESPI	,			
Date of sample receipt	:	29/11	/2	1023		
Date of sample analysis	:	29/11	/2	2023 to 02/12/2023		
Sampling Equipment Used	1	ST-I-0	2			
Calibration status		25/12	/2	2023 to 25/12/2024		
Project/ Job number	:	AESP	4	Q/2023-24/GSL-Tarapur/29(Rev.01)		
1 Toject/ Job Humber			Date: 12.05.2023			
Reference of sampling	:	AESPL	ESPL/LAB/QR/7.3.3/R-02			
Method of sampling & preservation	:	AESPL	/L	AB/SOP/7.3.1/ST-01		
Environmental Condition while Testing		Tempe	Temperature: 27°C; RH-40%			
A. General Information About Stack:						
Stack Connected to		: S7, Packing Section dust Exhaus				
Emission due to			0 8	Process Activity		
Material of construction of stack			4 .	MS		
Shape of stack			1	Circular		
Whether stack is provided with permanent pl	atfor	rm	0 2	Yes		
B. Physical Characteristics of Stack:			-	100		
Height of stack from ground level (m)			:	15		
Height of sampling point from ground level (n	n)		:			
Diameter of Stack at sampling point (m)			:	0.15		
Area of stack (m²)			2	0.017		
C. Analysis/ Characteristic of Stack:				T		
Fuel used			:	NA.		
Fuel consumption (Liter/day.)	le le		8 2	NA.		
Details of pollution control devices attached wastack:	vith t	the	:	Fabric Bag Filter		



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



TC-7085

<u>Test Report</u> (Stack Emission)

Ref. No.: AESPL/LAB/C/ST-23/12/67

Issue Date: 05/12/2023

D.R	esult of Sampling & Analysis of	Gaseous E	mission:		g comment of the comm
SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	34		°C	IS-11255, (part- 1,3) 2018-19
2.	Gas velocity	6.18		m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	371	- I	Nm³/hr.	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	25.15	50	mg/Nm³	IS-11255, (part- 1,3) 2018-19
5.	Sulphur Dioxide as SO ₂	<5.00		mg/Nm ³	IS-11255, (part-2) 2019
6.	Oxide of Nitrogen NO _x as NO ₂	<9.00		mg/Nm³	IS-11255, (part-7) 2017
7.	Oxygen as O ₂	19.80		%	IS 13270, 2019
8.	Carbon dioxide as CO ₂	< 0.2		%	IS 13270, 2019

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

Note:

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4. Decision Rule is applied.

Anjan Pramanik (Authorized Signatory)



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Test Report (Stack Emission)

	ack i	Emission		Issue Date: 05/12/2023	
Ref. No.: AESPL/LAB/C/ ST- 23/11/68 Name of Customer & Contact Details	1:	Galaxy Surf	21	ctants Limited.	
Name of Customer & Contact Details				ut. © 9970440101.	
		Manup.Raut@galaxysurfactants.com			
N COLL.	1:			9, MIDC Tarapur, Tal & Dist Palghar,	
Name of Site	1	Maharashtr			
Distriction O. Course	+.	THE CONTRACTOR OF THE PARTY OF	71.5-67.2	mospheric Pollution	
Discipline & Group	1	Stack Emiss	_		
Description of sample	-			A THE PARTY OF THE	
Sample Identification number	:	ST- 23/11/0			
Sample Quantity	1:			NOx:1 Bottle; Bladder-1; Thimble-1.	
Date & Time of sampling	:			8, 13:00-13:39 hr.	
Sampling Environmental Conditions	:	Temp.:31°C	;	Rain fall: No; P _{bar} :753 mmHg.	
Transportation Condition	:	Bottles < 5°	C	Thimbles in Bladders at plastic container ambient temp	
Sample Monitored & Transported by	:	AESPL			
Date of sample receipt	:	29/11/202	3		
Date of sample analysis	:	29/11/202	3	3 to 02/12/2023	
Sampling Equipment Used	;	ST-I-02			
Calibration status		25/05/202	3	3 to 25/05/2024	
	:	AESPL/O/	12	2023-24/GSL-Tarapur/29(Rev.01)	
Project/ Job number		Date: 12.05			
Reference of sampling	:	AESPL/LAE	3/	/QR/7.3.3/R-02	
Method of sampling & preservation	:	AESPL/LAE	3,	/SOP/7.3.1/ST-01	
Environmental Condition while Testing	:	Temperatu	r	e: 27°C; RH-40%	
A. General Information About Stack:					
Stack Connected to				S-1, Thermic Fluid Heater	
Emission due to				Combustion of NG	
Material of construction of stack	77 - 25 TR			MS	
Shape of stack				Circular	
Whether stack is provided with permanent p	latfo	rm :		Yes	
B. Physical Characteristics of Stack:					
Height of stack from ground level (m)				25	
Height of sampling point from ground level (1	n)				
Diameter of Stack at sampling point (m)			-	0.45	
Area of stack (m ²)				0.1589	
C. Analysis/ Characteristic of Stack:			_		
Fuel used		:	1	NG	
Fuel consumption (Liter/day.)		g .	1		
Details of pollution control devices attached	with	the :	1	Stack	
stack:			1		



Testing Laboratory is certified by ISO 9001:2015& ISO 45001:2018

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



TC-7085

Issue Date: 05/12/2023

<u>Test Report</u> (Stack Emission)

Ref. No.: AESPL/LAB/C/ST-23/11/68

ALCE	Non ALDER DI LINDI GIST ESTITI	13346 Date. 03/12/2023								
D. R	D. Result of Sampling & Analysis of Gaseous Emission:									
SL. No.	Parameter	Result MPCB. Limits		Unit	Method of analysis					
1.	Gas Temperature	131		°C	IS-11255, (part- 1,3) 2018-19					
2.	Gas velocity	4.50		m/s	IS-11255, (part- 1,3) 2018-19					
3.	Gas flow rate	1827		Nm³/hr.	IS-11255, (part- 1,3) 2018-19					
4.	Particulate Matter	9.71	50	mg/Nm³	IS-11255, (part- 1,3) 2018-19					
5.	Sulphur Dioxide as SO ₂	<5.0		mg/Nm ³	IS-11255, (part-2) 2019					
6.	Oxide of Nitrogen NO _x as NO ₂	88.49		mg/Nm³	IS-11255, (part-7) 2017					
7.	Oxide of Nitrogen NO _x as NO ₂	47.04	50	ppm	IS-11255, (part-7) 2017					
8.	Oxygen as O ₂	4.00		%	IS 13270, 2019					
9.	Carbon dioxide as CO ₂	16.80		0/0	IS 13270 2019					

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

Note:

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

Anjan Pramanik
(Authorized Signatory)



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



Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 23/11/69	acn.	EIIIISSIUII)		Issue Date: 05/	/12/2023	
Name of Customer & Contact Details	:					
		Mr. Anup Raut. @ 9970440101.				
		✓ Anup.Raut@galaxysurfactants.com				
Name of Site	:			, MIDC Tarapur, Tal & I		
		Maharashtr			.	
Discipline & Group	:	Chemical: A	lti	mospheric Pollution		
Description of sample	:	Stack Emiss	si	on		
Sample Identification number	1	ST-23/11/	6	9		
Sample Quantity	:	SO ₂ :1Bottle	;	NO2:1 Bottle; Thimble-	1.	
Date & Time of sampling	1	20/11/202	3,	, 14:30-15:10 hr.	7,011	
Sampling Environmental Conditions	:		_	Rain fall: No; Pbar: 753 n	nmHg.	
Transportation Condition	•	Bottles < 5°	C	Thimbles in plastic container	Bladders at ambient temp.	
Sample Monitored & Transported by	:	AESPL				
Date of sample receipt	:	29/11/202	3			
Date of sample analysis	:	29/11/202	3	to 02/12/2023		
Sampling Equipment Used	:	ST-I-02				
Calibration status	:	25/05/202	3	to 25/05/2024		
Project/ Job number	:	AESPL/Q/ Date: 12.08		2023-24/GSL-Tarapur 2023	r/29(Rev.01)	
Reference of sampling	:	AESPL/LAB	3/	QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LAB	3/	SOP/7.3.1/ST-01		
Environmental Condition while Testing	:	Temperatui	re	e: 27°C; RH-40%		
A. General Information About Stack:						
Stack Connected to		6	1	S-2, Boiler (3TPH)		
Emission due to			1	Combustion of NG		
Material of construction of stack				MS		
Shape of stack		6 0	+	Circular		
Whether stack is provided with permanent pl	latfo	rm :	1	Yes		
B. Physical Characteristics of Stack:						
Height of stack from ground level (m)		772-72	-	39		
Height of sampling point from ground level (r	n)		-	4 20		
Diameter of Stack at sampling point (m)		, a	-	1.20		
Area of stack (m²)	-		L	1.131		
C. Analysis/ Characteristic of Stack:				NC		
Fuel used		- 1		NG		
Fuel consumption (Liter/day.) Details of pollution control devices attached v	arith ·	the	-	 Stack		
stack:	VILII	the :		JULICA		
Stack.	-		1_			



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Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST-23/11/69

Issue Date: 05/12/2023

D. R	esult of Sampling & Analysis of	f Gaseous E	mission:		
SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	152		°C	IS-11255, (part- 1,3) 2018-19
2.	Gas velocity	4.56		m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	12594		Nm³/hr.	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	11.56	50	mg/Nm³	IS-11255, (part- 1,3) 2018-19
5.	Sulphur Dioxide as SO ₂	<5.0		mg/Nm ³	IS-11255, (part-2) 2019
6.	Oxide of Nitrogen NO _x as NO ₂	81.39		mg/Nm³	IS-11255, (part-7) 2017
7.	Oxide of Nitrogen NO _x as NO ₂	43.26	50	ppm	IS-11255, (part-7) 2017
8.	Oxygen as O ₂	4.0		%	IS 13270, 2019
9	Carbon dioxide as CO ₂	16.8		%	IS 13270, 2019

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

Note:

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

4. Decision Rule is applied.

Aman Pramanik (Authorized Signatory)

RASAYAN



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



Test Report (Stack Emission)

	ack	Emission)		Issue Date: 05	/12/2023
Ref. No.: AESPL/LAB/C/ ST- 23/11/70 Name of Customer & Contact Details	:	Calary Surf	act	ants Limited.	/12/2020
Name of Customer & Contact Details				. Ø 9970440101.	
		The second secon			om
		Manup.Raut@galaxysurfactants.com ■ Plot No. C. EQ. MIDC Tayanur, Tol. & Dist - Pale			
Name of Site	:	Plot No. G-59, MIDC Tarapur, Tal & Dist Palghar, Maharashtra.			
Di 11: 0 C	:			ospheric Pollution	
Discipline & Group	:	Stack Emiss			
Description of sample	- 761			1	
Sample Identification number	:	ST- 23/11/		o an ul pi li	1 Thimble 1
Sample Quantity	:			0x:1 Bottle; Bladder-	1; Inimble-1.
Date & Time of sampling	:	20/11/202	3, 1	6:00-16:36 hr.	
Sampling Environmental Conditions	:	Temp.:33°0	2; R	ain fall: No; P _{bar} :753 r	nmHg.
Transportation Condition	:	Bottles < 5°	°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPL			
Date of sample receipt	:	29/11/202	3		
Date of sample analysis	:	29/11/202	3 to	02/12/2023	
Sampling Equipment Used	:	ST-I-02			
Calibration status	:	25/05/202	3 to	25/05/2024	
Project/ Job number	:	AESPL/ Q/ Date: 12.0		23-24/GSL-Tarapu 023	r/29(Rev.01)
Reference of sampling	:			R/7.3.3/R-02	
Method of sampling & preservation	:	AESPL/LAE	3/50	OP/7.3.1/ST-01	
Environmental Condition while Testing	:	Temperatu	re:	27°C; RH-40%	
A. General Information About Stack:					
Stack Connected to		1	S-	2, Thermic Fluid He	eater
Emission due to			Co	ombustion of NG	
Material of construction of stack			M	S	
Shape of stack				rcular	
Whether stack is provided with permanent p	latfo	rm :	Ye	es	
B. Physical Characteristics of Stack:					
Height of stack from ground level (m)			39		
Height of sampling point from ground level (r	n)				
Diameter of Stack at sampling point (m)			-	20	
Area of stack (m ²)		*	1.	131	
C. Analysis/ Characteristic of Stack:					
Fuel used			N	G	
Fuel consumption (Liter/day.)					
Details of pollution control devices attached v stack:	with	the :	St	ack	



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Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST-23/11/70

Issue Date: 05/12/2023

SL.	esult of Sampling & Analysis of Parameter	Result	MPCB. Limits	Unit	Method of analysis
No.	Gas Temperature	143	-	°C	IS-11255, (part- 1,3) 2018-19
1		4.76		m/s	IS-11255, (part- 1,3) 2018-19
2.	Gas velocity	13432		Nm³/hr.	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate Particulate Matter	14.16	50	mg/Nm³	IS-11255, (part- 1,3) 2018-19
4.	Sulphur Dioxide as SO ₂	<5.0		mg/Nm³	IS-11255, (part-2) 2019
5	Oxide of Nitrogen NO _x as NO ₂	70.78		mg/Nm ³	IS-11255, (part-7) 2017
6.	Oxide of Nitrogen NO _x as NO ₂	37.63	50	ppm	IS-11255, (part-7) 2017
7.		3.6		%	IS 13270, 2019
8. 9.	Oxygen as O ₂ Carbon dioxide as CO ₂	17.4		%	IS 13270, 2019

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

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- 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.
- 4. Decision Rule is applied.



Anjan Pramanik (Authorized Signatory)



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Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 23/11/71	- CACAR	Emissi			Issue Date: 09	/12/2023
Name of Customer & Contact Details	:	Galax	y S	urfacta	nts Limited.	
1000		Mr. A	nup	Raut.		
		☑ Anup.Raut@galaxysurfactants.com			<u>om</u>	
Name of Site	:	Plot N	Plot No. G-59, MIDC Tarapur, Tal & Dist Palghar,			Dist Palghar,
		Maha	ras	htra.		
Discipline & Group	:	Chem	ica	l: Atmo	spheric Pollution	
Description of sample	:	Stack	En	ission		
Sample Identification number	:	ST- 23	3/1	1/71		
Sample Quantity	:	SO2:1	Bot	tle; NO	2:1 Bottle; Thimble-	1.
Date & Time of sampling	1:	21/11	1/2	023, 09	9:30-09:50 hr.	
Sampling Environmental Conditions	:			The Part of the Pa	in fall: No; P _{bar} :753 r	nmHg.
Transportation Condition	:	Bottle	es <	5°C	Thimbles in plastic container	Bladders at ambient temp.
Sample Monitored & Transported by	:	AESPI	,			alternative and the second
Date of sample receipt	:	29/12	2/2	023		
Date of sample analysis	:	29/12	2/2	023 to	02/12/2023	77.50-00
Sampling Equipment Used	*	ST-I-0	2			************
Calibration status	8	25/11	/2	023 to	25/11/2024	
Project/ Job number	:	AESPL/ Q/2023-24/GSL-Tarapur/29(Rev.01) Date: 12.05.2023				r/29(Rev.01)
Reference of sampling	;	AESPI	J/L	AB/QR	2/7.3.3/R-02	
Method of sampling & preservation		AESPI	J/L	AB/SO	P/7.3.1/ST-01	
Environmental Condition while Testing	:	Temp	era	ture:	27°C; RH-40%	
A. General Information About Stack:						
Stack Connected to			:	S11,	ATFD Vent D	
Emission due to				Proce	ess Activity	
Material of construction of stack			:	MS		
Shape of stack			:	Circu	lar	
Whether stack is provided with permanent pl	atfor	rm		Yes		
B. Physical Characteristics of Stack:						
Height of stack from ground level (m)				12		and the second s
Height of sampling point from ground level (r	n)		:			
Diameter of Stack at sampling point (m)				0.10		
Area of stack (m²)				0.008		COTON - CONTINUES NOT SHEET OF
C. Analysis/ Characteristic of Stack:	-		1	NT A		***************************************
Fuel used			9	NA.		
Fuel consumption (Liter/day.)		ul.	:	NA.		
Details of pollution control devices attached v	vith i	tne	0	Scrub	ober	
stack:		-				



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Test Report (Stack Emission)

Ref.	No.: AESPL/LAB/C/ST-23/11/7		Issue Date: 05/12/2023		
D. R	esult of Sampling & Analysis o	f Gaseous E	Emission:		
SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	33		°C	IS-11255, (part- 1,3) 2018-19
2.	Gas velocity	6.40		m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	1730		Nm³/hr.	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	8.55	50	mg/Nm³	IS-11255, (part- 1,3) 2018-19
5.	Sulphur Dioxide as SO ₂	<5.00		mg/Nm ³	IS-11255, (part-2) 2019
6.	Oxide of Nitrogen NO _x as NO ₂	<9.00	I	mg/Nm³	IS-11255, (part-7) 2017
7.	Oxygen as O ₂	20.00		%	IS 13270, 2019
8.	Carbon dioxide as CO ₂	<0.2		%	IS 13270, 2019

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

Note:

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4. Decision Rule is applied.

(Authorized Signatory)



Ref. No.: AESPL/LAB/C/ST-23/11/72

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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



TC-7085

Issue Date: 09/12/2023

<u>Test Report</u> (Stack Emission)

Ref. No.: AESPL/LAB/C/S1-23/11//2					Issue Date: 09/	12/2020	
Name of Customer & Contact Details	:	Galaxy	Su	Surfactants Limited.			
		Mr. Ar	Mr. Anup Raut. @ 9970440101.				
		☑ Anup.Raut@galaxysurfactants.com				<u>om</u>	
Name of Site	:		Plot No. G-59, MIDC Tarapur, Tal & Dist Palgha				
		Mahai					
Discipline & Group	:	Chemi	cal	: Atmo	spheric Pollution		
Description of sample	:	Stack	Em	ission			
Sample Identification number	:	ST- 23	/1:	1/72			
Sample Quantity	:	SO2:11	Bot	tle; NC	2:1 Bottle; Thimble-	1.	
Date & Time of sampling	:	21/11	/20	023, 1	0:20-10:38 hr.		
Sampling Environmental Conditions		Temp.	:31	°C; Ra	in fall: No; P _{bar} :753 n	ımHg.	
Transportation Condition	:	Bottle	s <	5°C	Thimbles in plastic container	Bladders at ambient temp.	
Sample Monitored & Transported by	:	AESPL	,				
Date of sample receipt	:	29/11	/20	023	Maria de la companya		
Date of sample analysis	:		-		02/12/2023		
Sampling Equipment Used	:	ST-I-0			The state of the s		
Calibration status	:	25/11/2023 to 25/11/2024					
	:	AESPL/ Q/2023-24/GSL-Tarapur/29(Rev.01) Date			9(Rev.01) Date:		
Project/ Job number		12.05.2023					
Reference of sampling	:	AESPI	./L	AB/QI	R/7.3.3/R-02		
Method of sampling & preservation	:	AESPL	./L	AB/SC	P/7.3.1/ST-01		
Environmental Condition while Testing	:	Temp	era	ture:	27°C; RH-40%		
A. General Information About Stack:							
Stack Connected to			2	S12,	Sludge Dryer Vent F		
Emission due to			:	Proc	ess Activity		
Material of construction of stack			:	MS			
Shape of stack			:	Circu	ılar		
Whether stack is provided with permanent pla	atfor	rm	:	Yes	Way and the second seco		
B. Physical Characteristics of Stack:				-			
Height of stack from ground level (m)			:	12			
Height of sampling point from ground level (m	1)		:				
Diameter of Stack at sampling point (m)			0	0.15			
Area of stack (m²)			9	0.01	76		
C. Analysis/ Characteristic of Stack:				F			
Fuel used			:	NA.	Commence of the second		
Fuel consumption (Liter/day.)			2 0	NA.			
Details of pollution control devices attached wastack:	ith '	the	5	Scru	bber		



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Test Report (Stack Emission)

Issue Date: 05/12/2023 Ref. No.: AESPL/LAB/C/ST-23/11/72

D. R	esult of Sampling & Analysis of	Gaseous E	mission:		
SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	34		°C	IS-11255, (part- 1,3) 2018-19
2.	Gas velocity	7.69		m/s	IS-11255, (part- 1,3) 2018-19
3.	Gas flow rate	458		Nm³/hr.	IS-11255, (part- 1,3) 2018-19
4.	Particulate Matter	11.52	50	mg/Nm³	IS-11255, (part- 1,3) 2018-19
5.	Sulphur Dioxide as SO ₂	<5.00		mg/Nm³	IS-11255, (part-2) 2019
6.	Oxide of Nitrogen NO _x as NO ₂	<9.00		mg/Nm³	IS-11255, (part-7) 2017
7.	Oxygen as O ₂	20.80		%	IS 13270, 2019
8.	Carbon dioxide as CO ₂	<0.20		%	IS 13270, 2019

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

Note:

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- 2. Results relate only to the items tested.
- 3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.

4. Decision Rule is applied.

Anjan Pramanik (Authorized Signatory)



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Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST-23/11/73				Issue Date: 06/12/2023	
Name of Customer & Contact Details				actants Limited.	
				aut. Ø 9970440101.	
		✓ Anup.Raut@galaxysurfactants.com			
Name of Site	2	Plot No. G-59, MIDC Tarapur, Tal & Dist Palghar,			
		Maharasht	-		
Discipline & Group	5 1		_	tmospheric Pollution	
Description of sample	;	Stack Emis	_		
Sample Identification number	9	ST-23/11/	_		
Sample Quantity	:	SO2:1Bottle	e;	NO ₂ :1 Bottle; Thimble-1.	
Date & Time of sampling				3, 11:15-11:43 hr.	
Sampling Environmental Conditions	:	Temp.:31°0	C;	; Rain fall: No; P _{bar} :754 mmHg.	
Transportation Condition	:	Bottles < 5°	°(Thimbles in Bladders at plastic container ambient ten	
Sample Monitored & Transported by		AESPL			
Date of sample receipt	:	29/11/202	23	3	
Date of sample analysis	:	29/11/202	23	3 to 02/12/2023	
Sampling Equipment Used	:	ST-I-02			
Calibration status	:	25/05/202	23	3 to 25/05/2024	
Project/ Job number	:	AESPL/Q/2023-24/GSL-Tarapur/29(Rev.01) Date: 12.08.2023			
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02			
Method of sampling & preservation	:	AESPL/LAI	В	/SOP/7.3.1/ST-01	
Environmental Condition while Testing	:	Temperatu	ır	e: 27°C; RH-48%	
A. General Information About Stack:					
Stack Connected to			1	S-4, DG Set, 1000KVA,	
Emission due to			1	Combustion of Diesel	
Material of construction of stack		-	1	MS	
Shape of stack		u u		Circular	
Whether stack is provided with permanent pl	atfo	rm :		Yes	
B. Physical Characteristics of Stack:					
Height of stack from ground level (m)				12	
Height of sampling point from ground level (n	n)	n 0			
Diameter of Stack at sampling point (m)			1	0.15	
Area of stack (m²)				0.0177	
C. Analysis/ Characteristic of Stack:			_		
Fuel used				Diesel	
Fuel consumption (Liter/day.)					
Details of pollution control devices attached v stack:	vith	the :		Stack	



Testing Laboratory is certified by ISO 9001:2015& ISO 45001:2018
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Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

Issue Date: 05/12/2023

<u>Test Report</u> (Stack Emission)

Ref. No.: AESPL/LAB/C/ST-23/11/73

AGOAI	HOW THEST BY BRID / G/ST 25/11/	and the second s	133ue Date. 03/12/2023							
D. R	D. Result of Sampling & Analysis of Gaseous Emission:									
SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis					
1.	Gas Temperature	139		°C	IS-11255, (part- 1,3) 2018-19					
2.	Gas velocity	6.26		m/s	IS-11255, (part- 1,3) 2018-19					
3.	Gas flow rate	280		Nm³/hr.	IS-11255, (part- 1,3) 2018-19					
4.	Particulate Matter	44.29	50	mg/Nm ³	IS-11255, (part- 1,3) 2018-19					
5.	Sulphur Dioxide as SO ₂	35.65		mg/Nm³	IS-11255, (part-2) 2019					
6.	Sulphur Dioxide as SO ₂	0.24	0.9	Kg/day	IS-11255, (part-2) 2019					
7.	Oxide of Nitrogen NO _x as NO ₂	67.00		mg/Nm³	IS-11255, (part-7) 2017					
8.	Oxygen as O ₂	09.00		%	IS 13270, 2019					
9.	Carbon dioxide as CO ₂	12.00		%	IS 13270, 2019					

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

Note:

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- 2. Results relate only to the items tested.
- 3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.

4. Decision Rule is applied.

Anjan Pramanik
(Authorized Signatory)



Testing Laboratory is certified by ISO 9001:2015& ISO 45001:2018 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024

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



Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST-23/11/74		Emission)		Issue Date: 05/12/2023		
Name of Customer & Contact Details	:	Galaxy Su	rí	factants Limited.		
				laut. Ø 9970440101.		
		☑ Anup.Raut@galaxysurfactants.com				
Name of Site	:			59, MIDC Tarapur, Tal & Dist Palghar,		
District C. C.		Maharash	-			
Discipline & Group	:		_	Atmospheric Pollution		
Description of sample	:	Stack Emi	SS	sion		
Sample Identification number	:	ST-23/11	-/	74		
Sample Quantity	:	Acid mist-	-1			
Date & Time of sampling	:	21/11/20:	2	3, 12:30-12:50 hr.		
Sampling Environmental Conditions	:			; Rain fall: No; P _{bar} :753 mmHg.		
Transportation Condition	:	Bottles < 5		Thimbles in Di-JJ		
			_	plastic container ambient temp.		
Sample Monitored & Transported by	:	AESPL		120		
Date of sample receipt	:	29/11/202	-			
Date of sample analysis	:		2:	3 to 02/12/2023		
Sampling Equipment Used	:	ST-I-02				
Calibration status	:	25/05/202	23	3 to 25/05/2024		
Project/ Job number	:	AESPL/Q)/	(2023-24/GSL-Tarapur/29(Rev.01)		
		Date: 12.08.2023				
Reference of sampling	t e	AESPL/LA	B	/QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LA	В	/SOP/7.3.1/ST-01		
Environmental Condition while Testing	:	Temperatu	ur	re: 27°C; RH-48%		
A. General Information About Stack:						
Stack Connected to		:	1	S-5, Chlorination Reactor Vent		
Emission due to		:	1	Process Activity		
Material of construction of stack				MS		
Shape of stack		;		Circular		
Whether stack is provided with permanent pl	atfor	m :		Yes		
B. Physical Characteristics of Stack:						
Height of stack from ground level (m)			1	12		
Height of sampling point from ground level (n	n)	1	1	<u> 17</u>		
Diameter of Stack at sampling point (m)			1	0.08		
Area of stack (m²)				0.005		
C. Analysis/ Characteristic of Stack:			-			
Fuel used		:	1			
Fuel consumption (Liter/day.)			1			
Details of pollution control devices attached wastack:	vith t	he :		4 Stage Water & Caustic Scrubber		
stath.			L			



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



TC-7085

Issue Date: 05/12/2023

Test Report (Stack Emission)

Ref. No.: AESPL/LAB/C/ST-23/11/74

D. R	esult of Sampling & Analysi	s of Gaseous E	Emission:		105de Date: 03/12/2023
SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	30		°C	IS-11255, (part- 1,3) 2018-19
2.	Acid Mist	13.76	35	mg/Nm³	EPA-450/2-77-019: 2019
3.	Carbon dioxide as CO ₂	<0.2		%	IS 13270, 2019

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

Note:

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- 2. Results relate only to the items tested.
- 3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.

4. Decision Rule is applied.

Anjan Pramanik (Authorized Signatory)



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



TC-7085

<u>Test Report</u> (Stack Emission)

Ref. No.: AESPL/LAB/C/ ST- 23/11/75		EIIIISSIOII		Issue Date: 05/12/2023	
Name of Customer & Contact Details	2			actants Limited.	
		Mr. Anuj	p R	aut. @ 9970440101.	
		☑ Anup	.Ra	aut@galaxysurfactants.com	
Name of Site	:	Plot No.	G-5	59, MIDC Tarapur, Tal & Dist Palghar,	
Y		Maharas	htr	a.	
Discipline & Group	:	Chemica	l: A	tmospheric Pollution	
Description of sample	:	Stack En	niss	sion	
Sample Identification number	:	ST-23/1	1/	75	
Sample Quantity	:	Acid Mis	t:1	Bottle;	
Date & Time of sampling		21/11/2	02	3, 13:10-13:30 hr.	
Sampling Environmental Conditions	:			; Rain fall: No; P _{bar} :753 mmHg.	
Transportation Condition	2	Bottles <	-	Thimbles in Bladders at	
Sample Monitored & Transported by	:	AESPL			
Date of sample receipt	:	29/11/2	02	3	
Date of sample analysis	:	29/11/2	02:	3 to 02/12/2023	
Sampling Equipment Used	:	ST-I-02			
Calibration status	:	25/05/2	02:	3 to 25/05/2024	
Project/ Job number	:	AESPL/Q/2023-24/GSL-Tarapur/29(Rev.01) Date: 12.08,2023			
Reference of sampling	:		-	/QR/7.3.3/R-02	
Method of sampling & preservation	:		-	/SOP/7.3.1/ST-01	
Environmental Condition while Testing				re: 27°C; RH-48%	
A. General Information About Stack:				2. 0,111. 10,0	
Stack Connected to			*	S-8, Process Reactor Vent & Storag	
Emission due to			:	Process Activity	
Material of construction of stack			:	MS	
Shape of stack			:	Circular	
Whether stack is provided with permanent pla	atfor	m	2 0	Yes	
B. Physical Characteristics of Stack:					
Height of stack from ground level (m)			:	12	
Height of sampling point from ground level (m	1)		:		
Diameter of Stack at sampling point (m)			:	0.10	
Area of stack (m²)				0.008	
C. Analysis/ Characteristic of Stack:					
Fuel used				NA.	
Fuel consumption (Liter/day.)			:	NA.	
Details of pollution control devices attached w stack:	ith t	he	:	4 Stage Water & Caustic Scrubber	



Testing Laboratory is certified by ISO 9001:2015& ISO 45001:2018

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024

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



TC-7085

<u>Test Report</u> (Stack Emission)

Ref. No.: AESPL/LAB/C/ST-23/11/75

Issue Date: 05/12/2023

D. R	esult of Sampling & Analysi	s of Gaseous F	Emission:		
SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1.	Gas Temperature	31		°C	IS-11255, (part- 1,3) 2018-19
2.	Acid Mist	16.82	35	mg/Nm³	EPA-450/2-77-019: 2019
3.	Carbon dioxide as CO ₂	<0.2		%	IS 13270, 2019

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

Note:

- 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.
- 4. Decision Rule is applied.

Anjan Pramanik (Authorized Signatory)



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



TC-7085

<u>Test Report</u> (Stack Emission)

The state of the s	tack	Emission)		Issue Date: 06/	/12 /2023		
Ref. No.: AESPL/LAB/C/ ST- 23/11/76	1	Calaury Cumb	- at-		14/4043		
Name of Customer & Contact Details	:			ints Limited.			
				Ø 9970440101.			
N. COL		☑ Anup.Raut@galaxysurfactants.comPlot No. G-59, MIDC Tarapur, Tal & Dist Palghar,					
Name of Site	:	Maharashtr		AIDC Tarapur, Tai & I	Dist Paignar,		
Dissipling & Crown	1:		_	enharic Pollution			
Discipline & Group Description of sample							
Sample Identification number	:	ST-23/11/	_	3			
Sample Quantity	3	Acid Mist:1					
Date & Time of sampling	:			4:00-14:20 hr.			
Sampling Environmental Conditions	:	Temp.:31°C	; Ra	in fall: No; P _{bar} :753 n			
Transportation Condition	;	Bottles < 5°	C	Thimbles in plastic container	Bladders at ambient temp.		
Sample Monitored & Transported by	:	AESPL					
Date of sample receipt	1	29/11/202					
Date of sample analysis	:	29/11/202	3 to	02/12/2023	1 2 100		
Sampling Equipment Used	:	ST-I-02					
Calibration status	:	25/05/202	3 to	25/05/2024			
	:	AESPL/Q/	20	023-24/GSL-Tarapur/29(Rev.01)			
Project/ Job number			Date: 12.08.2023				
Reference of sampling	:	AESPL/LAB	/Q	R/7.3.3/R-02			
Method of sampling & preservation	:	AESPL/LAB	/50	P/7.3.1/ST-01			
Environmental Condition while Testing	:	Temperatur	re:	27°C; RH-40%			
A. General Information About Stack:				V. 13/44/0000000000000000000000000000000000			
Stack Connected to		:	S-	9, Process Reactor	Vent K		
Emission due to		:		ocess Activity			
Material of construction of stack			M:				
Shape of stack			Ci	rcular			
Whether stack is provided with permanent p	latfo	rm :	Ye	S			
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.:				
Area of stack (m ²)			0.0	008			
C. Analysis/ Characteristic of Stack:							
Fuel used		:		- Comment of the comm			
Fuel consumption (Liter/day.)			-	Manufacture and the same of th	- Water and the second		

Details of pollution control devices attached with the

stack:

Ventury Scrubber



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



Test Report (Stack Emission)

Ref.	No.: AESPL/LAB/C/ST- 23/1	1/76			Issue Date: 05/12/2023
D. R	esult of Sampling & Analysi	s of Gaseous E	mission:		
SL. No.	Parameter	Result	MPCB. Limits	Unit	Method of analysis
1	Gas Temperature	32		°C	IS-11255, (part- 1,3) 2018-19
2.	Acid Mist	9.17	35	mg/Nm³	EPA-450/2-77-019: 2019
3	Carbon dioxide as CO ₂	<0.2	55.	%	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.
- 4. Decision Rule is applied.

Anjan Pramanik (Authorized Signatory)



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

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

FORM FOR FILING ANNUAL RETURNS

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

Unique Application Number:

Submitted On:

Industry Type:

MPCB-HW_ANNUAL_RETURN-0000036579

16-06-2023

Generator

Submitted for Year:

2023

1. Name of the generator/operator of facility

Address of the unit/facility

GALAXY SURFACTANTS LTD

PLOT NO.G-59, TARAPUR MIDC, BOISAR

1b. Authorization Number Date of issue

Date of validity of

consent

Format1.0/CC/UAN No.0000110105/CR/2207000303 Jul 6, 2022

Apr 30, 2024

2. Name of the authorised person

MR. RAJESH B. KHATAVKAR

Full address of authorised person

PLOT NO.G-59, TARAPUR MIDC, BOISAR

Telephone

Fax

8976778210 NA Rajesh.Khatavkar@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	802.39	MT/A
Chemical ,Petrochemical &Electrochemical	FATTY ALCOHOL SULPHATES (COLOR NEEDLES)	2400.0000	1081.89	MT/A
Chemical ,Petrochemical &Electrochemical	FATTY ALCOHOL SULPHATES (LIQUID)	576.0000	516	MT/A
Chemical ,Petrochemical &Electrochemical	ACTIVE PREPARATIONS INCLUDING ANIONIC, CATIONIC, AMPHOTERIC, NON IONIC SURFACTANTS SUCH AS FATTY ALCOHOL SULPHATES/ QUATTERNARY AMMONIUM COMPOUNDS / ALKANOL AMIDES / GLYCINATES / AMINEOXIDES / BETAINES / QUATERNARY AMMONIUM COMPOUNDS AND SURFACTANT BLENDS	24996.0000	166.84	MT/A
Chemical ,Petrochemical &Electrochemical	SPECIALITY CHEMICALS SUCH AS POLYMERIC CONDITIONERS, POLYQUATS, PRESERVATIVES, FATTY ACID ESTERS	4992.0000	142.67	MT/A
Chemical ,Petrochemical &Electrochemical	SUNSCREENS	7500.0000	9.86	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	иом
5.1 Used or spent oil	Spent Oil	1.500	1.475	MTA
5.2 Wastes or residues containing oil	Waste or residues containing oiloi	2.000	0.683	MTA

20.2 Spent solvents	Spent solvent	6.000	0	MTA
20.3 Distillation residues	Distillation residue	410.000	2.35	MTA
28.1 Process Residue and wastes	Process residue	2.000	0.838	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	МТА
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	1.803	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	HCI 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	6.395	MTA
37.2 Ash from incinerator and flue gas cleaning residue	FLue gas cleaning residue	0.900	0.890	MTA
Other Hazardous Waste	Insulation Material (One time disposal)	0.000	3.975	MTA
2. Quantity dispatched category wise.				
Type of Waste	Quantity of waste	иом	Dispatched to	Facility
5.1 Used or spent oil	1.475	MTA	Disposal Facility	Name MWMI
37.2 Ash from incinerator and flue gas cleaning residue	0.890	МТА	Disposal Facility	
35.3 Chemical sludge from waste water treatment	1.803	МТА	Disposal Facility	MWML
37.3 Concentration or evaporation residues	6.395	MTA	Disposal Facility	MWML
5.2 Wastes or residues containing oil	0.683	MTA	Disposal Facility	
20.2 Spent solvents	0.0	MTA	Disposal Facility	MWML
20.3 Distillation residues	2.35	MTA	Disposal Facility	
28.1 Process Residue and wastes	0.838	MTA	Disposal Facility	
28.2 Spent catalyst	0.0	MTA	Disposal Facility	
28.3 Spent carbon	0.0	МТА	Disposal Facility	
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0.0	МТА	Disposal Facility	
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	<i>UOM</i> KL/Anum	

4. Quantity in storage at the end of the year Type of Waste Name of Waste Quantity of Waste UOM NA 0 KL/Anum 5. Quantity disposed in landfills as such and after treatment Туре Quantity UOM Direct landfilling NA KL/Anum Landfill after treatment NA KL/Anum 6. Quantity incinerated (if applicable) **UOM**

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

KL/Anum

1.Total Quantity received	иом	State Name
NA	KL/Anum	Maharashtra
2. Quantity in stock at the beginning of the year	ИОМ	
NA	KL/Anum	
3. Quantity treated	иом	
NA	KL/Anum	
4. Quantity disposed in landfills as such and after treatment		
Type Direct landfilling	Quantity NA	<i>UOM</i> KL/Anum
Landfill after treatment	NA	KL/Anum
5. Quantity incinerated (if applicable)	иом	
NA	KL/Anum	
6. Quantiry processed other than specified above	иом	
NA	KL/Anum	
7. Quantity in storage at the end of the year.	иом	
NA	KL/Anum	

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

1. Quantity of waste received during the year

NA

waste Name/Category	Country Name	State Name	Quantity of waste received from domestic sources	Quantity of waste imported(If any)	Units
NA	India	Other	NA	NA	KL/Anum
2. Quantity in stock at the	beginning of the	year			
Waste Name/Category NA				<i>OM</i> _/Anum	
3. Quantity of waste recyc	led or co-procesed	d or used	NA KL	-/Anum	
Name of Waste	Tyj	pe of Waste	Quantity	UOM	
NA	NA		NA	KL/Anum	
4. Quantity of products dis	patched (whereve	r applicable)			
Name of product			Quantity	UOM	
NA			NA	KL/Anum	
5. Total quantity of waste g	generated				
Waste name/category			quantity	иом	

KL/Anum NA NA 6. Total quantity of waste disposed UOM quantity Waste name/category KL/Anum NA NA 7. Total quantity of waste re-exported (If Applicable) UOM quantity Waste name/category KL/Anum NA NA 8. Quantity in storage at the end of the year UOM quantity Waste name/category KL/Anum NA NA 9. Quantity disposed in landfills as such and after treatment UOM Quantity KL/Anum NA Direct landfilling KL/Anum NA Landfill after treatment UOM 10. Quantity incinerated (if applicable) KL/Anum NA Personal Details Designation Date Place Factory Manager 2022-06-16 Tarapur



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

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

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000059744

Submitted Date

26-09-2023

PART A

Company Information

Company Name

Application UAN number

Galaxy Surfactants Ltd

0000110105

Address

G-59 MIDC Tarapur

Plot no G-59

Taluka

Palghar

Capital Investment (In lakhs)

9763.00

Scale LSI

Pincode

401506

Person Name Rajesh Khatavkar

Telephone Number

Fax Number

8976778210

Region

Industry Category

SRO-Tarapur I

Red

Last Environmental statement

submitted online

Consent Number

Format1.0/CC/UAN

Consent Valid Upto

No.0000110105/CR/2207000303

2024-04-30

Establishment Year 1992

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

Village

MIDC Tarapur

City

Palghar

Designation

Factory Manager

Email

Rajesh.Khatavkar@galaxysurfactants.com

Industry Type

R22 Organic Chemicals manufacturing

Consent Issue Date

2022-07-06

Date of last environment statement submitted

Oct 22 2022 12:00:00:000AM

Product Information			
Product Name	Consent Quantity	Actual Quantity	ИОМ
Fatty Alcohol Sulphates/Sulfosuccinate (Powder/Needles)	1200	802.39	MT/A
Fatty Alcohol Sulphate (Needle-Colour)	2400	1081.89	MT/A
Fatty Alcohol Sulphates/Fatty Alcohol Ether Sulphate	576	516	MT/A
Active preparations including anionic, cationic, amphoteric, non ionic surfactants such as fatty alcohol sulphates/Quatternary ammonium compounds/alkanol amides/Glycinates/Amineoxides/betaines/Quarter	24996	166.84	MT/A
Speciality chemicals such as polymeric conditioners, polyquats, preservatives, fatty acid esters	4992	142.67	MT/A
Sunscreens	7500	9.86	MT/A

By-product Information By Product Name NA	Consent 0	t Quantity	Actual Q 0	uantity	UOM MT/A
art-B (Water & Raw Material Co	nsumption)	-			
I) Water Consumption in m3/day Nater Consumption for Process	Consent (145,00	Quantity in m3/day	Ac 6.3	tual Quantity in m3/0	day
Cooling	340.00		15.	.76	
Domestic	19.50		3.4	15	
All others	18.00		2.9	8	
Total	522.50		28.	.51	
2) Effluent Generation in CMD / MLD Particulars EFFLEUNT GENERATION		Consent Quantity		tual Quantity .62	UOM CMD
DOMESTIC EFFLEUNT		7.6	5.9	93	CMD
		financial Year 0		Financial year 0	CM
3) Raw Material Consumption (Consump	ntion of raw materia	0		0	CMI
	otion of raw materia	0 During the Prev financial Year	ious	0 During the current Financial year	uo
3) Raw Material Consumption (Consump	otion of raw materia	During the Previous financial Year	ious	O During the current Financial year 10.68	<i>ио</i> мт,
3) Raw Material Consumption (Consump per unit of product) Name of Raw Materials	otion of raw materia	During the Previous financial Year 0.34 32.40	ious	During the current Financial year 10.68	ио мт,
3) Raw Material Consumption (Consump per unit of product) Name of Raw Materials Caustic soda Lye	otion of raw materia	During the Previous financial Year 0.34 32.40 19.81	ious	During the current Financial year 10.68 0.00	ио МТ МТ
3) Raw Material Consumption (Consumption (Co	otion of raw materia	During the Prev financial Year 0.34 32.40 19.81 1440.30	ious	During the current Financial year 10.68 0.00 0.00	ио МТ МТ МТ
3) Raw Material Consumption (Consumption (Co	otion of raw materia	During the Previous financial Year 0.34 32.40 19.81 1440.30 187.23	ious	During the current Financial year 10.68 0.00 0.00 1234.51 146.73	ио МТ МТ МТ
3) Raw Material Consumption (Consumption of product) Name of Raw Materials Caustic soda Lye C1214 Alkyl polyglucoside Alkyl polyglucoside C0814 FAS Liquid	ntion of raw materia	During the Previous financial Year 0.34 32.40 19.81 1440.30 187.23 1.15	ious	During the current Financial year 10.68 0.00 0.00 1234.51 146.73	<i>UO</i> МТ МТ МТ МТ
3) Raw Material Consumption (Consumption of product) Name of Raw Materials Caustic soda Lye C1214 Alkyl polyglucoside Alkyl polyglucoside C0814 FAS Liquid Galaxy LSS (Paste) C1216	otion of raw materia	During the Previous financial Year 0.34 32.40 19.81 1440.30 187.23 1.15 2.01	ious	During the current Financial year 10.68 0.00 0.00 1234.51 146.73 1.48	<i>и о</i> мт мт мт мт мт мт
3) Raw Material Consumption (Consumption of Product) Name of Raw Materials Caustic soda Lye C1214 Alkyl polyglucoside Alkyl polyglucoside C0814 FAS Liquid Galaxy LSS (Paste) C1216 Citric acid (MONOHYDRATE)	otion of raw materia	During the Prev financial Year 0.34 32.40 19.81 1440.30 187.23 1.15 2.01 0.00	ious	During the current Financial year 10.68 0.00 0.00 1234.51 146.73 1.48 1.91 18.16	и о МТ МТ МТ МТ МТ МТ
3) Raw Material Consumption (Consumption of product) Name of Raw Materials Caustic soda Lye C1214 Alkyl polyglucoside Alkyl polyglucoside C0814 FAS Liquid Galaxy LSS (Paste) C1216 Citric acid (MONOHYDRATE) Sodium Sulfate	otion of raw materia	During the Previous financial Year 0.34 32.40 19.81 1440.30 187.23 1.15 2.01 0.00 0.00	ious	During the current Financial year 10.68 0.00 0.00 1234.51 146.73 1.48 1.91 18.16	<i>ис</i> мт мт мт мт мт мт
3) Raw Material Consumption (Consumption of product) Name of Raw Materials Caustic soda Lye C1214 Alkyl polyglucoside Alkyl polyglucoside C0814 FAS Liquid Galaxy LSS (Paste) C1216 Citric acid (MONOHYDRATE) Sodium Sulfate Lauryl Alcohol (C1214) Caprylic alcohol (C8)	otion of raw materia	During the Previous financial Year 0.34 32.40 19.81 1440.30 187.23 1.15 2.01 0.00 0.00 0.00 0.00	ious	During the current Financial year 10.68 0.00 0.00 1234.51 146.73 1.48 1.91 18.16 9.40 7.62	<i>ис</i> мт мт мт мт мт мт мт
3) Raw Material Consumption (Consumption of product) Name of Raw Materials Caustic soda Lye C1214 Alkyl polyglucoside Alkyl polyglucoside C0814 FAS Liquid Galaxy LSS (Paste) C1216 Citric acid (MONOHYDRATE) Sodium Sulfate Lauryl Alcohol (C1214) Caprylic alcohol (C8) Capric alcohol (C10)	otion of raw materia	During the Previous financial Year 0.34 32.40 19.81 1440.30 187.23 1.15 2.01 0.00 0.00 0.00 0.75	ious	During the current Financial year 10.68 0.00 0.00 1234.51 146.73 1.48 1.91 18.16 9.40 7.62 16.50	ис МТ МТ МТ МТ МТ МТ МТ
3) Raw Material Consumption (Consumption of Product) Name of Raw Materials Caustic soda Lye C1214 Alkyl polyglucoside Alkyl polyglucoside C0814 FAS Liquid Galaxy LSS (Paste) C1216 Citric acid (MONOHYDRATE) Sodium Sulfate Lauryl Alcohol (C1214)	otion of raw materia	During the Previous financial Year 0.34 32.40 19.81 1440.30 187.23 1.15 2.01 0.00 0.00 0.00 0.75 0.00	ious	During the current Financial year 10.68 0.00 0.00 1234.51 146.73 1.48 1.91 18.16 9.40 7.62 16.50 54.32	<i>ис</i> мт мт мт мт мт мт мт мт мт
3) Raw Material Consumption (Consumption of product) Name of Raw Materials Caustic soda Lye C1214 Alkyl polyglucoside Alkyl polyglucoside C0814 FAS Liquid Galaxy LSS (Paste) C1216 Citric acid (MONOHYDRATE) Sodium Sulfate Lauryl Alcohol (C1214) Caprylic alcohol (C8) Capric alcohol (C10) GLYCERINE	otion of raw materia	During the Previnancial Year 0.34 32.40 19.81 1440.30 187.23 1.15 2.01 0.00 0.00 0.00 0.75 0.00 4.64	ious	During the current Financial year 10.68 0.00 0.00 1234.51 146.73 1.48 1.91 18.16 9.40 7.62 16.50 54.32	<i>ио</i> мт мт мт мт мт мт мт мт мт м
3) Raw Material Consumption (Consumption of Product) Name of Raw Materials Caustic soda Lye C1214 Alkyl polyglucoside Alkyl polyglucoside C0814 FAS Liquid Galaxy LSS (Paste) C1216 Citric acid (MONOHYDRATE) Sodium Sulfate Lauryl Alcohol (C1214) Caprylic alcohol (C8) Capric alcohol (C10) GLYCERINE Dextrose Anhydrous	otion of raw materia	During the Previous financial Year 0.34 32.40 19.81 1440.30 187.23 1.15 2.01 0.00 0.00 0.00 0.75 0.00	ious	During the current Financial year 10.68 0.00 0.00 1234.51 146.73 1.48 1.91 18.16 9.40 7.62 16.50 54.32	<i>ио</i> мт,

Fuel Name

5.2 Wastes or residues containing	oil 00		0.683		MT/A
20.3 Distillation residues	00		2.350		MT/A
28.1 Process Residue and wastes		0.838		MT/A	
2) From Pollution Control Fac	ilities	Total During Previous Fina	ncial To	tal During Current Financial	иом
Hazardous Waste Type		year	ye	ar	MT/A
35.1 Exhaust Air or Gas cleaning	residue	0.350		390	MT/A
35.3 Chemical sludge from waste	water treatment	1.090		303	60.000.00
37.3 Concentration or evaporatio	n residues	00	6.5	512	MT/A
Other Hazardous Waste		00	3.9	975	MT/A
Part-E					
SOLID WASTES 1) From Process Non Hazardous Waste Type PVC PAPER BAGS	Total During Pre 4.365		Total Duri	ng Current Financial year	иом МТ/А
HDPE / METAL CONTAINERS	55		1052		Nos./
WOODEN PALLATES	1641		568		Nos./Y
2) From Pollution Control Fac Non Hazardous Waste Type	Total Du	ring Previous Financial year	- Total	During Current Financial year	иом МТ/А
NA	0				
3) Quantity Recycled or Re-u	tilized within the	e			
unit Waste Type		Total During Previous year	Financial	Total During Current Financia year	
0		0		0	MT/A
Part-F					
Please specify the charactering indicate disposal practice ad	istics(in terms o opted for both t	f concentration and quantu hese categories of wastes.	m) of haza	rdous as well as solid wastes an	d
1) Hazardous Waste Type of Hazardous Waste Ge		Qty of Hazardous Waste	UOM	Concentration of Hazardous V	Vaste
5.1 Used or spent oil		1.475	MT/A	LIQUID	
5.2 Wastes or residues containing	ng oil	0.683	MT/A	LIQUID	

1) Hazardous Waste Type of Hazardous Waste Generated 5.1 Used or spent oil	Qty of Hazardous Waste 1.475	157	Concentration of Hazardous Waste LIQUID
5.2 Wastes or residues containing oil	0.683	MT/A	LIQUID
20.3 Distillation residues	2.350	MT/A	SOLID
29.1 Process wastes or residues	0.838	MT/A	SOLID
35.1 Exhaust Air or Gas cleaning residue	0.890	MT/A	SOLID
35.3 Chemical sludge from waste water treatment	1.803	MT/A	SOLID
37.3 Concentration or evaporation residues	6.512	MT/A	SOLID
Other Hazardous Waste	3.975	MT/A	SOLID

2) Solid Waste Type of Solid Waste Generated Qty of Solid Waste

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

Part-C

	ged to environm	ent/unit	of output	(Parameter as specifi	ed in the	consent Issued)		
[A] Water Quantity of Pollutants discharged (kL/day) Quantity Quantity pH 0 TSS 0.195 COD 0.157 BOD 0.045 TDS 0.508		Ilutants /day) Concentration of Pollutants discharged(Mg/Lit) Except PH, Temp, Colour Concentration 7.48 10.00 8.06		Percentage of variation from prescribed standards with reasons %variation		Standard	Reason	
				0	0		NA	
					0		<250mg/l	NA NA
					2.33		0	
			0				<2100mg/l	NA NA
		O/G	0.019		1.00		0	
CHLORIDE	0.039	2.02			0		<600mg/l	NA
SULPHATE	0.118		6.06		0		<1000mg/l	NA
					100000	1941		
[B] Air (Stack) Pollutants Detail		Quantit Polluta dischai (kL/day	nts ged	Concentration of P discharged(Mg/NM		Percentage of variation from prescribed standards with reasons		
		Quanti	ty	Concentration		%variation	Standard	Reasor NA
TPM (Thermic Fluid	Heater-SDP)	0.572		10		0	50mg/nm3	NA
NOx (Thermic Fluid	Heater-SDP)	0.852		14.9		0	50 ppm	
NOx (Thermic Fluid	Heater-Nebula)	15.086		27.5		0	50 ppm	NA
NOx (Boiler)		12.302		23.1		0	50 ppm	NA
TPM (DG)		0.602		34.33		0	50mg/nm3	NA
SO2 (DG)		0.33		0.33		0	0.9 Kg/Day	NA
Acid Mist (Chlorinat	ion reactor vent)	0.030		18.0	KS	0	35 Mg/Nm3	NA
TPM (Spray Dryer p	lant Vent)	1.900		36.5		0	50 Mg/Nm3	NA
TPM (Packing section	on dust exhaust)	0.275		39.5		0	50 Mg/Nm3	NA
Acid Mist (Process r storage tank	eactor vent &	0.139		21.0		0	35 Mg/Nm3	NA
Acid Mist (Process r	eactor vent K)	12.71		19.5		0	35 Mg/Nm3	NA
TPM (ATFD vent D)		0.096		29.0		0	50 Mg/Nm3	NA
TPM (Sludge dryer	vent F)	0.224		32.0		0	50 Mg/Nm3	NA
Part-D								

HAZ	ZARD	OUS	WASTES
1) 1	rom	Proc	ess
Haz	ardo	us W	laste Type
5 1	Used	or sp	ent oil

PVC AND PAPER BAGS 5.080 HDPE / METAL CONTAINERS 1052 WOODEN PALLATES 568

PAPER BAGS WITH PVC LINER

Nos./Y NA 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) NA 0

Reduction in Fuel & Solvent Consumption (KL/day) 0

Reduction in Reduction in Raw Material Power (Kg) Consumption (KWH) 0

Capital Investment(in Lacs) 0

Reduction in Maintenance(in Lacs)

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)

0

Nil

Nil

0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection Environmental Protection Measures

Capital Investment (Lacks)

NIL

NIL

0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

We have ZLD unit

Name & Designation

Rajesh Khatavkar - Factory Manager

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000059744

Submitted On:

26-09-2023