

Galaxy Surfactants Ltd.

Global Supplier to Global Brands Environment Department Room no.217, 2nd Floor, Mantralaya Annex, Mumbai 400032.

Dear Sir,

Subject: Compliance report of Environment Clearance

Ref : SEIAA Letter No.: SEAC-2212/CR-494/TC-2 dated 08.04.2015 and Subsequent amendment in Environment clearance vide letter no. SEIAA-2016/CR 05/TC 3 dated 19.05.2016 and SEIAA letter no.: SEAC-2010/CR.448/TC.2

Please find attached half yearly compliance report for the period from January 2022 to June 2022, in compliance of Condition No.26 and 29 of our Environment Clearance letter dated 08.04.2015 and condition no.23 of our Environment Clearance letter dated 03.12.2010.

Kindly acknowledge receipt of this letter with its enclosure.

Thanking you, Cordially yours,

For Galaxy Surfactants Limited

yough

Shamsundar Gawade Senior Manager- Corporate Governance

Encl: As above

- CC : 1. Maharashtra Pollution Control Board Raigad Bhavan, 7th Floor, Sector-11, CBD Belapur, Navi Mumbai
 - Ministry of Environment and Forest, Climate Change Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur-440001
 - Central Pollution Control Board Parivesh Bhavan, Opp. VMC Ward Office No.10, Subhanpura Vadodara – 390023, Gujarat

Factory Address: Plot No. V-23 MIDC, Taloja & Plot No. 1, Village: Chal Near Taloja Ind. Area, Tal : Panvel, Dist. Raigad. Ph: +91-22-39215300 / 39545100 Fax: +91-22-27411701 / 27411702 Regd. Office: C-49/2, TTC Industrial Area, Pawne, Navi Mumbai – 400 703, India. CIN No. U39877MH1986PLC039877 Ph : +91-22-65134444 / 27616666 Fax : +91-22-27615883 / 27615886 E-mail : galaxy@galaxysurfactants.com Website : www.galaxysurfactants.com

COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE (Period: January 2022 – June 2022)

- **Project** : Galaxy Surfactants Ltd., Project of Manufacturing of Surfactants and Specialty Chemicals at Plot No.V-23, MIDC Taloja and Plot No. 1, Village Chal, Tal. Panvel, District Raigad by Modernisation with no increment in pollution load.
- Reference: SEIAA Letter No.: SEAC-2212/CR-494/TC-2 dated 08.04.2015 and subsequent amendment in Environment clearance vide letter no.SEIAA-2016/CR 05/TC 3 dated 19.05.2016 and SEIAA Letter No.: SEAC-2010/CR-448/TC-2 dated 03.10.2010.

Products :

Sr. No.	Name of the product	Total Production Quantity (MT/Month)
1	Anionic surfactants (on 100% AM basis) such as Fatty Alcohol Sulphate, Fatty Alcohol ether sulphates etc.	7140
2	Ethylene Oxide Condensate	5000
3	Cationic Surfactants (on 100% AM basis) such as Betains, Quaternary Ammonium Salts etc.	1520
4	Sulphosuccinates	60
5	Surfactant blends (on 100% AM basis) such as Syndet Soap- Granules/ Noodles, Sparkle series etc.	1320
6	Fatty Acid Esters, Fatty alkanol amides and esterquats.	1700
7	Conc. Sulphuric Acid (By Product)	132
8	Sodium Sulphate 20-25 % solution, Solids 37.5 MT/ M (By Product)	180
	Total	17052

Status of compliance of the Conditions stipulated in our Environment Clearance dated 08.04.2015 subsequently amended vide letter dated 19.05.2016 and Environment Clearance dated 03.12.2010.

Sr. No.	Conditions	Compliance Status
1	The Environment Clearance is issued subject to condition that PP shall be responsible	We shall be responsible for end disposal of Hazardous Waste to Authorized dealer.
	for end disposal of Hazardous Waste to authorized dealer (b) PP to abide by the submitted specific effluent characteristics after treatment.	We will abide by the specific effluent characteristics after treatment. Complied.
2	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	The project is implemented at existing plot. Complied.

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3	For controlling fugitive	Complied.
	natural dust, regular	
	sprinkling of water and wind	
	shields at appropriate	
	distances in vulnerable areas	
	of Plant shall be ensured.	
4	Regular monitoring of the air	Complied.
	quality, including SPM and	
_	SO2 levels both in work zone	Please refer enclosed Annexure A for latest work zone and ambient
	and ambient air shall be	air quality report.
	carried out in and around the	
	power plant and records shall	
	be maintained. The location	
	of monitoring stations and	
	frequency of monitoring shall	
	be decided in consultation	
	With Manarashtra Pollution	
	submit report accordingly to	
	MPCB	
5	Necessary arrangement shall	Complied
	he made to adequate safety	complied.
	and ventilation arrangement	
	in furnace area.	
6	Proper Housekeeping	We are maintaining proper housekeeping within premises.
	programs shall be	Complied.
-	implemented.	
7	In the event of the failure of	In case of failure of pollution control
	any pollution control system	Equipment, the complete unit is being shut down and resumed only
	adopted by the unit, the unit	after the said equipment is rectified. We assure that the same
-	shall be immediately put out	practice will be followed in future also.
	of the operation and shall not	
	be restarted until the desired	
	efficiency has been achieve.	
8	A stack of adequate height	Complied.
	based on DG set capacity shall	
	be provided for control and	
	dispersion of pollution from	
	DG Set (If applicable).	
9	A detailed scheme for	Rainwater collected and reused in process. No ground water
	rainwater harvesting shall be	recharge through harvesting.
	prepared and implemented	
10	to recharge ground water.	
10	Arrangement shall be made	Separate arrangements are made for effluent and storm water.
	that effluent and storm water	Compiled.
	aoes not get mixed.	
11	Periodic Monitoring of	Our unit is ZLD and nence not discharging any effluent to CETP. Entire
	ground water shall be	effluent is reused by recycling through KU, MBR, MEE.
	undertaken and results	we are not using any ground water in our process.

12	analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board. Leq of Noise Level shall be	Noise level maintained as per standards and monitored on regular
	maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.	basis. The operating personnel use protective equipment like earmuff and earplug wherever required. Complied.
13	The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules 1989.	The overall noise levels in and around the plant kept well within the standards. Proper noise barriers, acoustic enclosures are provided on noise generating equipment like DG Set, blowers etc. to minimize noise.
14	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.	Green belt area of 4080 sq. mtrs. Developed. Total 1165 numbers of trees and shrubs are planted around the plant periphery.
15	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. Complied.
16	Occupational health surveillance of the workers shall be done on a regular basis and the record shall be maintained as per Factories Act.	We have dedicated OHC and full time Factory Medical Officer along with round the clock male nurse to take care of safety and health of the workers. We conduct monthly safety and contractors meeting for health and safety of the workers. Half yearly health checkup of workers being done periodically (last health checkup done on

		February, 2022)and the records are maintainedas per Factories Act.
17	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. Fire alarm and sprinklers, Fire Extinguishers, Fire Hydrant System installed and maintained. We are conducting periodical inspection of all fire fighting system. Complied.
18	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from MPCB shall be obtained for collections / treatment / storage / disposal of hazardous waste.	 We are complied with the rules and regulations with regard to handling and disposal of Hazardous Wastes in accordance with the rules and MPCB has authorized us for treatment/storage/disposal of Hazardous Waste to authorized vendors. We have obtained membership of Mumbai Waste Management Limited (MWML) for the disposal of Wastes / Residue Containing Oil (1 MT/A). Empty barrels/containers / liner contaminated with Hazardous chemicals /waste (24 MT/A), Flue Gas Cleaning Residue (98.4 MT/A), Chemical Sludge from waste water treatment (108 MT/A) by incineration and Spent Catalyst and molecular sieves (6 MT/A) by landfill. Used or Spent oil (6 MT/A), Contaminated Cotton ragas or other cleaning materials 1MT/A will be given for Recycle/incineration to MWML/ MPCB Authorized Vendor. MEE solid waste 180MT/A by
		landfill.
		We maintain the record for hazardous waste generation in form 3 & disposal in Form 10 and submit the Annual return in Form 4 to MPCB and having dedicated storage area for Hazardous Waste.
19	 The Company shall undertake following Waste Minimization Measures : Metering of quantities of active ingredients to minimize waste. Reuse of by-products from the process as 	Use of level transmitters in storage tank and adjustment vessel to avoid spillages. Automated transfer of most of intermediate, raw materials and finished goods used for avoiding spillages. We have implemented level switch (high level protection) for filling of tankers, containers of finished goods to eliminate spillages. It will eliminate environment incidence and reduce load on ETP and Hazardous Waste.
	 raw materials or as raw material substitutes in other process. Maximizing recoveries. Use of automated transfer system to minimize spillage. 	Both By-products are recycled into process to the maximum extent.
20	Regular mock drills for the on- site emergency management	On-site emergency management plan prepared. Total evacuation mock drill conducted on 23.02.2022

	plan shall be carried out Implementation of changes / improvement required, if any, in the on-site management plan shall be ensured.				
21	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental	Complia Environ various environ	ed. Iment management Departments. Mee Iment related comp	cell is set up with t ting held on 25.5.2 liances.	total 16 members of 022 to review the
	safeguards.	Sr. No.	Names	Dept	Designation
		1	Avinash Shinde	SHE and Instrument	s Chairman
		2	Pradeep Kadam	SHE	Member
		3	Suraj Rathi	SHE	Member
		4	Sham/Swapnil Kulkarni	CG	Member
		5	Deepak Divate	Conversion	Member
		6	Vinod Mante	MIC, Conversion	Member
		7	Pravin Bhor	SIC, Conversion	Member
		8	Hemant Patil	SIC, Conversion	Member
		9	Amit Kakkar	Mech, Elec., Civil maintenance	Member
		10	Praful A	Mech. Maintenance	2 Member
		11	Kunal Waghmare	Electrical Maintenand	ce Member
		12	Narendra Dali	Stores	Member
		13	Sujit Khakale	Warehouse	Member
		14	Ashok Lad/Taranath	Admin	Member
		15	Nilesh Kavankar	Instrument Maintenance	Member
		16	Omkar Patil	Civil Maintenance	Member
22	Transportation of ash will be through closed containers and all measure should be taken to prevent spilling of ash.	Complie	ed.		
23	Separate silos will be provided for collecting and storing bottom ash and fly ash.	We hav collect t then sh This are interfer	e dedicated area fo the fly ash from Cyc ifted to dedicated a ta is completely isola ence.	r collecting bottom lone separator & b rea. ated & covered fro	ash from furnace & wa ag filter in drums & m all sides to avoid any
24	Separate funds shall be	During	this period, we incu	rred expenditure o	f Rs. 4.50 Crore
	allocated for implementation	(approx	.) for details given i	n the table below	
	of environmental protection measures / EMP along with	Sr. No.	Description of Proj	ect	Investment Cost in INR
	itom wise breaks up These	1	PO Canacity Enhan	comont	E4 4E 000

<u>.</u>				
	costs shall be included as part	2	V-23 & MED Overtrans	2,29,00,000
	of the project cost. The funds	3	MEE Maintenance	25,00,000
	earmarked for the	4	MBR Replacement	37,00,000
	environment protection	5	Paddle Dryer Capacity Enhancement	1.00.00.000
	measures shall not be	6	FTP Maintenance	5 00 000
	diverted for other purposes		TOTAL	4 50 45 000
	and year wise expenditure		TOTAL	4,50,45,000
	should be reported to the			
-	MPCB and this department.			
25	The project management	Compli	ed.	
	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			
	Manarashtra Pollution			
	be seen at website at			
	be seen at website at			
26	Drojost management should	Compli	ad	
20	submit balf yearly compliance	Compi	eu.	
	reports in respect of the	1.00		
	stipulated prior environment			
	clearance terms and			
	conditions in hard and soft			
	copies to the MPCB and this			
	department on 1 st lune and			
	1 st December of each			
	calendar year			
27	A copy of the clearance letter	Compli	ed.	
	shall be sent by proponent to	EC con	v published on website of the Company	
	the concerned Municipal	20.000	, passioned on negotic of the company.	
	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.			

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28	The proponent shall upload	Complied.
	the status of compnance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically It shall	Status of compliance of the stipulated EC conditions, including results of monitored data will be uploaded on our website and will be updated regularly.
	simultaneously be sent to the Regional Office of MoEF, the	Company on newly installed electronic digital display.
	respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company	Please refer enclosed Annexure B for latest Stack Emission reports.
	in the public domain.	
29	also submit six monthly report on the status of compliance of the stipulated EC Conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Complied.
30	The environmental statement for each financial year ending 31 st March in Form – V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the Company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by email.	Complied. Environment statement for the year 2020-2021 submitted online with the MPCB website on 22.09.2021 Copy of Environment statement will be displayed on the Company website along with status of EC Conditions and will also be sent to Regional Officers of MoEF by email.

Status of compliance of conditions stipulated in our earlier Environment Clearance dated 03.12.2010.

Sr.No.	Conditions	Compliance Status
1	"Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board	Complied.
-	submitted to the Environmental department before start of any construction work at the site.	submitted in earlier EC Compliance report.
2	No land development / construction work preliminary or otherwise relating to the project shall taken up without obtaining due clearance from respective authorities.	We abide by this regulation/condition.
3 to 27	Conditions from Environment Clearance dated 03.12.2010 are also covered in above condition nos.2-4, 9-30 of Environment Clearance dated 08.04.2015.	Please refer remarks in status of compliance of conditions in Environment Clearance dated 08.04.2015.
28	The environmental clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble Court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.	Noted

For Galaxy Surfactants Limited

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Shamsundar Gawade Senior Manager- Corporate Governance



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Sadekar Enviro Engineers Pvt. Ltd.

Plot No, A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. Ø : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

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	AN	ALYSIS REPORT	FOR STAC	K EMISSION				
Report No	SEET/AA/	12/21/222		Date	07/01/2	022		
Name of Client	M/s GALA	XY SURFACTAN	STS LIMITE	D	1	O as as		
Address of Client	Plot No. V-	23 & 01, MIDC Ta	loja, Tal. Pan	vel, Dist. Raigad	-410208			
Sample collected by	AA Represe	entative						
Reference								
Date of sampling	31/12/2021		Sample Rec	cipt Date	01/01/2022			
Analysis Start Date	03/01/2022		Analysis Co	mplete Date	05/01/2022			
		DETAILS	S OF STACK	(
Description		Unit			Result			
Stack No.				S-1				
Stack Attached To				Oil Fire Boiler No.1 & 2(2.5 TPH)				
Shape				Round				
Diameter		M		0.8				
Height From Ground Le	evel	M			33.3			
Temperature		°C			172			
Velocity of Flue Gases		M/Sec			8.44			
Volume of Flue Gases		Nm ³ /Hr	10222					
Type of Fuel		Kg/Hr.	F.O./L.D.O					
POLLUTION PARAM	1ETERS							
PARAMETERS		METHOD	UNIT	LIMIT	RESUL	Т		
Total Particulate Matter	IS 11	255 (part 1)-1985	mg/Nm ³	150	68.4			
Sulphur Di-Oxide	IS 1255 (part II) - 1985		kg/day	648	31.2			
Oxide of Nitrogen	Vitrogen IS 11255 (part 7)-2005		ppm		14.9	-		
Carbon Dioxide	1	S 307 :1966	mg/m		0.43			
Sulphur Content			0%	4.5	0.0048			

NOTE:1)The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) BDL - Below Detectable Limit



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



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Sadekar Enviro Engineers Pvt. Ltd.

Ptot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604, Maharashtra State, India. 🕐 : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

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Report No	rt No SEET/AA/12/21/210				07/01/202	
Name of Client	M/s G	ALAXY SURFAC	TANTS LIMI	TED	011011202	
Address of Client	Plot N	o. V-23 & 01, MIE	C Taloja, Tal. F	anvel. Dist. R	aigad - 410208	
Sample collected by	AA Re	presentative			angara Trosod	
Reference					1	
Date of sampling	24/12/	2021	Sample Receip	ot Date	25/12/2021	
Analysis Start Date	27/12/	2021	Analysis Com	plete Date	29/12/2021	
		DETAIL	S OF STACK		1 20112 2021	
Description		Unit			Result	
Stack No.					S-2	
Stack Attached To				Coal Fire	Boiler (5TPH)	
01				Cyclone Separator + Bag Filter		
Shape			Round			
Diameter		M		0.4		
leight From Ground Level		М	M		35.0	
Temperature		°C	°C		105	
Velocity of Flue Gases		M/Sec		9.11		
Volume of Flue Gases		Nm ³ /Hr			3247	
Type of Fuel		Kg/Hr.	Coal			
POLLUTION PARAMET	ERS					
PARAMETERS		METHOD	UNIT	LIMIT	RESULT	
otal Particulate Matter	IS 11	255 (part 1)-1985	mg/Nm ³	150	46.2	
ulphur Di-Oxide	IS 125	5 (part II) - 1985	kg/day	180	8.24	
Dxide of Nitrogen	IS 11255 (part 7)-2005		ppm		6.46	
arbon Dioxide	15	IS 307 : 1966			0.20	
ulphates	E	EPA Method		NA	1.12	
hloride	EPA-26 A Method		mg/Nm ³	N.A.	0.07	
Sulphur Content		0/	0.5	0.07		

ults relate only to the item tested. 3) BDL - Below Detectable Limit.



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



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	AN	ALYSIS REPORT	FOR STACK	EMISSION				
Report No	SEET	SEET/AA/12/21/211 Data						
Name of Client	M/s C	M/s GALAXY SURFACTANTS LIMITED						
Address of Client	Plot N	lo. V-23 & 01. MIL	C Taloia Tal	Panyal Dict P	aland 4	10208		
Sample collected by	AA R	AA Representative						
Reference								
Date of sampling	24/12/	2021	Sample Recei	nt Date	25/12	/2021		
Analysis Start Date	27/12/	2021	Analysis Corr	plate Date	25/12/	2021		
		DETAILS	S OF STACK	ipiete Date	29/12/	2021		
Description		Unit			Decult			
Stack No.					co			
Stack Attached To				Tharmona	S-3	(FOLD		
Shape	LULL.		Baund					
Diameter		M	Kound					
Height From Ground Level		M	0.4					
Temperature		00	30.25					
Velocity of Flue Gases		M/Sec		170				
Volume of Flue Gases	2	Nm ³ /Hr			8.92			
Type of Fuel		Ko/Hr		2713				
POLLUTION PARAMET	ERS				.0			
PARAMETERS		METHOD	UNIT	LIMIT		DECULT		
Fotal Particulate Matter	IS 11	255 (part I)-1985	mg/Nm ³	150		08 CO		
Sulphur Di-Oxide	IS 12	IS 1255 (part II) - 1985		150		98.00		
Oxide of Nitrogen	IS 11	IS 11255 (part 7)-2005		156		10.20		
Carbon Dioxide		S 307 · 1966	ppm mg/m ³			9.42		
Sulphur Content			mg/m			0.28		
OTE: 1) The above results	ralata only	In the could be	70	4.5		0.0059		

esults relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested.

3) BDL - Below Detectable Limit.



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Report No	SEET/	AA/12/21/209		Date	07/01/2022		
Name of Client	M/s G	ALAXY SURFAC	TANTS LIN	IITED	1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0		
Address of Client	Plot No	o. V-23 & 01, MID	C Taloja, Tal.	Panvel, Dist. R	aigad 410208		
Sample collected by	AA Re	presentative					
Reference							
Date of sampling	23/12/2	2021	Sample Reco	pipt Date	24/12/2021		
Analysis Start Date	27/12/2	021	Analysis Con	mplete Date	28/12/2021		
		DETAILS	OF STACK				
Description		Unit			Result		
Stack No				S-4			
Stack Attached To			Scrubber	r No. 1 (V-23)			
Shape	e			1	Round		
Diameter M		М			0.6		
leight From Ground Level M		М		30			
Temperature		°C	45				
Velocity of Flue Gases	-	M/Sec					
Volume of Flue Gases		Nm ³ /Hr		6368			
Type of Fuel			0508				
POLLUTION PARAMET	ERS						
PARAMETERS		METHOD	UNIT	LIMIT	RESULT		
fotal Particulate Matter	IS 112	255 (part 1)-1985	mg/Nm ³	150	16.55		
sulphur Di-Oxide	IS 125	5 (part II) - 1985	DDm	50	B D L (MDL <1)		
Dxide of Nitrogen	IS 112	55 (part 7)-2005	ppm	NA	1.12		
arbon Dioxide	15	5 307 :1966	mg/Nm ³	NA	0.16		
cid Mist	F	PA Method	mg/hlm3	25.00	0.16		

3) BDL - Below Detectable Limit.



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: 310, Dempo Towers, EDC Patto, Panaji-403 001. Goa State, India 70 : (0832) 2437048 / 2437164 E-mail : sadekarenviro@rediffmail.com • Website : www.sadekarenviro.com

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



Ptot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. Ø: (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com SAVE WATER SAVE LIFE Gazetted by Ministry of Environment, Forest Govt. Of INDIA. S. O. 857 (E), Valid upto 25.02.2023 * OCI-NABET Accredited EIA Consultancy

	AN/	LYSIS REPORT	FOR STAC	K EMISSION			
Report No	SEET/	AA/12/21/260		Date	Date		
Name of Client	M/s G	ALAXY SURFAC	TANTS LIN	TANTS LIMITED			
Address of Client	Plot N	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208					
Sample collected by	AA Re	AA Representative					
Reference							
Date of sampling	23/12/2	2021	Sample Rec	eipt Date	24/12	/2021	
Analysis Start Date	27/12/2	2021	Analysis Co	mplete Date	28/12	/2021	
		DETAILS	S OF STACK	2	-		
Description Unit				Result			
Stack No					S-5		
Stack Attached To				Scrubbe	r No .2 (E	OU)	
Shape					Round		
Diameter	eter M				0.6		
Height From Ground Level		М	30				
Temperature		°C		42			
Velocity of Flue Gases		M/Sec		6.64			
Volume of Flue Gases		Nm ¹ /Hr		6391			
Type of Fuel							
POLLUTION PARAMETI	ERS						
PARAMETERS		METHOD	UNIT	LIMIT	1	RESULT	
Fotal Particulate Matter	IS 112	255 (part 1)-1985	mg/Nm ³	150		14.5	
Sulphur Di-Oxide	IS 125	5 (part 11) - 1985	ppm	50		31.5	
Oxide of Nitrogen	IS 112	55 (part 7)-2005	ppm	NA		09.65	
Carbon Dioxide	19	\$ 307 :1966	mg/m ³	NA		0.11	
Acid Mist	E	PA Method	mg/Nm ³	35.00		13.64	

NOTE:1)The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested.

3) BDL - Below Detectable Limit.



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A . A

Plot No. A-95, Road No. 16, Kisan Nagar Road, M LD C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. 🗹 : (91-22) 2583 3321 / 2683 3322 / 2683 3323 / 2683 3324 • E-mail : pra@sadekarerviro.com / psadekar@gmail.com

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		ANA	LYSIS REPORT	FOR STACK	EMISSION			
10	Leven	24.4.0	1/22/56		Date	22/01/2022		
Report No	SEE	(AA/0	1/22/00	TS LIMITED	LIMITED			
Name of Client	M/8 0	SALA	Y SURFACTAN	ala Tal Panya	el Dist Raigad	410 208		
Address of Client	Plot !	Plot No. V-23 & 01, MILK, Taloja, Tal Platest						
Sample collected by	AAR	eprese	ntative					
Reference	*****				int Date	19/01/2022		
Date of sampling	18/01	/2022		Analyzis Cou	molete Date	21/01/2022		
Analysis Start Date	20/01	/2022		Analysis Col	inpiere isare	1		
			DETAILS	OFSTACK				
Decorintion Unit					Result			
Description				S-6				
Stack No.				Scrubbe	r No .3 (MED)			
Stack Attached To	ack Attached To					Round		
Shape	3 M					0.6		
Diameter			NI NI		30			
Height From Ground	evel		00		44			
Temperature	_		M/Can		6.65			
Velocity of Flue Gase	5		NinSec		6360			
Volume of Flue Gases			INM / HI					
Type of Fuel								
POLLUTION PARA	METE	cs	METHOD	UNIT	LIMIT	RESULT		
PARAMETERS		10.1	1255 (part 1) 1085	me/Nm	150	23.2		
Total Particulate Matte	er	151	1255 (part 1)-1985	ing/itin	50	14.5		
Sulphur Di-Oxide		IS 12	55 (part II) - 1985	ppm	NA	7.8		
Oxide of Nitrogen		IS II	255 (part 7)-2005	ppm	NA	0.20		
Carbon Dioxide			15 307 :1966	mg/m	35.00	18.75		
Acid Mist			EPA Method	mg/Nm	55.00	ing		

NOTE:1)The above results relate only to the condition prevaiing at the 2) The above results relate only to the item tested.

3) BDL – Below Detectable Limit.



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





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	AN	ALYSIS REPORT	FOR STAC	K EMISSION			
Report No	SEET	AA/12/21/218		Date		07/01/2022	
Name of Client	M/s G	ALAXY SURFAC	TANTS LIN	TITED		0110112022	
Address of Client	Plot N	Plot No. V-23 & 01, MIDC Taloia, Tal. Panyel, Dist. Raigad - 410208				10208	
Sample collected by	AA Re	AA Representative					
Reference					1		
Date of sampling	27/12/	2021	Sample Rece	eint Date	28/12	2021	
Analysis Start Date	29/12/	2021	Analysis Co	mplete Date	31/12	2021	
		DETAILS	OF STACK		1		
Description		Unit			Result		
Stack No.	-			S-7			
Stack Attached To	ed To			D.G. Set	1.9 MW (EOU)	
Shape					Round		
Diameter	М			0.8			
Height From Ground Level		М		45			
Temperature	121	°C		176			
Velocity of Flue Gases		M/Sec			8.98		
Volume of Flue Gases		Nm ³ /Hr			0779		
Type of Fuel		Kg/Hr.			F.O		
POLLUTION PARAMETE	ERS		A State of the				
PARAMETERS		METHOD	UNIT	LIMIT		RESULT	
Total Particulate Matter	IS 11	255 (part I)-1985	mg/Nm*	150		64.5	
Sulphur Di-Oxide	IS 125	55 (part II) - 1985	kg/day	864		26.5	
Oxide of Nitrogen	IS 11:	255 (part 7)-2005	ppm	NA		5.75	
Carbon Dioxide	1	S 307 :1966	mg/m ³	NA		0.30	
Sulphur Content			%	4.5		0.0038	
NOTE: 1) The above results re	late only	to the condition pro	evailing at the	time of samplin	10		

2) The above results relate only to the item tested.

3) BDL - Below Detectable Limit.



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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle industrial Area, Thane - 400 604. Maharashtra State, India. Ø : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

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Report No	SEET	/AA/12/21/219		Date		07/01/2023	
Name of Client	M/s G	ALAXY SURFAC	TANTS LIM	ITED		1	
Address of Client	Plot N	Plot No. V-23 & 01, MIDC Taloia, Tal. Panyel, Dist. Raigad - 410					
Sample collected by	AA Re	AA Representative					
Reference					1		
Date of sampling	27/12/	2021	Sample Rece	ipt Date	28/12	/2021	
Analysis Start Date	29/12/	29/12/2021 Analysis Complete Date		nplete Date	31/12	/2021	
		DETAILS	S OF STACK				
Description Unit			Result				
Stack No			S-8				
Attached To				D.G. S	et 1000 K	VA	
Shape				Round			
Diameter	Diameter M			0.8			
Height From Ground Level		M	33				
Temperature		°C	163				
Velocity of Flue Gases		M/Sec		9.33			
Volume of Flue Gases		Nm ³ /Hr			1533		
Type of Fuel		Kg/Hr.		ŀ	I.S.D		
POLLUTION PARAMET	ERS		1	1		DECULT	
PARAMETERS		METHOD	UNIT	LIMIT		RESULT	
Total Particulate Matter	IS 11	255 (part I)-1985	mg/Nm'	150		52.6	
Sulphur Di-Oxide	IS 12:	55 (part II) - 1985	kg/day	96		11.20	
Oxide of Nitrogen	IS 11.	255 (part 7)-2005	ppm	NA		4.75	
Carbon Dioxide	1	S 307 :1966	mg/m ³	NA		0.19	
Sulphur Content	r Content		%	1.0		0.0015	

2) The above results relate only to the item tested.

3) BDL - Below Detectable Limit.



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

n : Taloja



Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604, Maharashtra State, India 0: (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

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		ANA	LYSIS REPORT	FOR STAC	K EMISSION			
Report No	SEE	T/AA/1	2/21/220		D			
Name of Client	M/s	GALA	XV SURFACTAN	TE LIMPER	Date	07/01/2022		
Address of Client	Plot	No. V.	3 & 01 MIDC T	NIS LIMITI	SD			
Sample collected by	AA	Represe	ntative	d - 410208				
Reference			manre					
Date of sampling	31/1	2/2021		Const. D				
Analysis Start Date	03/0	1/2022		Sample Rec	eipt Date	01/01/2022		
	DETAILS		Analysis Co	mplete Date	05/01/2022			
D			DETAILS	S OF STACK				
Description Unit		Unit			Result			
Stack No.					S-1			
Stack Attached To				Oil Fire Boil	er No 1 (2 5 TPH)			
Shape					Round			
Diameter			М		0.9			
Height From Ground	evel		M		33.2			
Temperature			°C	_	33.3			
Velocity of Flue Gase	s		M/Sec		1/1			
Volume of Flue Gases			Nm ³ /Hr		11522			
Type of Fuel			Kg/Hr.			170		
POLLUTION PARA	METE	RS			CARE CITY REP.	173		
PARAMETERS			METHOD	UNIT	LIMIT	PESULT		
Total Particulate Matt	er	IS 1	1255 (part 1)-1985	me/Nm	1 150	70.7		
Sulphur Di-Oxide		IS 12	55 (part II) - 1985	ka/dau	619	70.7		
Oxide of Nitrogen		IS I	255 (part 7)-2005	kg/day	048	27.2		
Carbon Dioxide			IS 307 :1966	me/m ³		0.28		
Sulphur Content				0/a	1.5	0.28		
NOTE: 1) The above				./0.	4.5	0.0037		

1)The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) BDL - Below Detectable Limit



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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. Ø : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

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		AN.	ALYSIS REPORT	FOR STACK	EMISSION			
Report No	SE	ET/AA	/12/21/221					
Name of Client	M	/s CAL	AVV SUDEA OTHE		Date	07/01/2022		
Address of Client	Pla	No V	22 & OL MIDO	NTS LIMITEI)			
Sample collected by	A	A Representative						
Reference		r representative						
Date of sampling	31	/12/2021						
Analysis Start Date	03	/01/2022	,	Sample Recei	pt Date	01/01/2022		
	05/01/2022			Analysis Com	plete Date	05/01/2022		
Decariati			DETAILS	OF STACK				
Stack No			Unit			Result		
Stack No.				S-1				
Stack Attached To	tack Attached To				Oil Fire Boile	r No. 2(2.5 TPH.)		
Shape					F	Round		
Diameter			M		0.8			
Height From Ground Lo	evel		M	33.3				
Temperature			°C		173			
Velocity of Flue Gases			M/Sec		927			
Volume of Flue Gases			Nm ³ /Hr		1	1202		
POLLUTION D + D + D	-		Kg/Hr.		F.O./	L.D.O		
POLLUTION PARAN	1ETE	RS						
TARAMETERS			METHOD	UNIT	LIMIT	RESULT		
Total Particulate Matter		IS 11	255 (part 1)-1985	mg/Nm ³	150	68.1		
Sulphur Di-Oxide		IS 125	55 (part II) - 1985	kg/day	648	26.3		
Oxide of Nitrogen		IS 11.	255 (part 7)-2005	ppm		9.10		
Carbon Dioxide		1	S 307 :1966	mg/m ³		0.25		
ulphur Content				%	4.5	0.0037		

NOTE:1)The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested.

3) BDL - Below Detectable Limit



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



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Report No	SEET//	AA/03/22/181		Dat	e	31/03/2022		
Name of Client	M/s GA	LAXY SURFA	CTANTS LIN	MITE	D			
Address of Client	Plot No	. V-23 & 01, MI	OC Taloja, Tal	l. Pan	vel, Dist. Ra	nigad – 410208		
Sample collected by	AA Rep	oresentative						
Reference								
Date of sampling	17/03/2	022	Sample Rec	ceipt]	Date	19/03/2022		
Analysis Start Date	21/03/2	022	Analysis Co	omple	ete Date	23/03/2022		
		DETAII	S OF STACI	K				
Description	Description — Unit				I	Result		
Stack No.		and any		S-4				
Stack Attached To		77 0			Scrubber	· No .1 (V-23)		
Shape		(17)			I	Round		
Diameter M		M		0.6				
Height From Ground Level		М		1		30		
Temperature		°C				42		
Velocity of Flue Gases		M/Sec				6.34		
Volume of Flue Gases		Nm ³ /Hr				6102		
Type of Fuel						***		
POLLUTION PARAMET	TERS		18					
PARAMETERS		METHOD	UNIT	Г	LIMIT	RESULT		
Total Particulate Matter	IS 11	255 (part I)-1985	mg/Nn	n ³	150	15.6		
Sulphur Di-Oxide	IS 12	55 (part II) - 198	5 ppm		50	B.D.L (MDL <1)		
Oxide of Nitrogen	IS 11	255 (part 7)-2005	ppm		NA	1.75		
Carbon Dioxide		IS 307 :1966	mg/m	3	NA	0.10		
Acid Mist	1	EPA Method	ppm	3	NA	8.75		

NOTE: 1)The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested.

3) BDL - Below Detectable Limit.

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	ANA	LYSIS REPORT	FOR STAC	CK EI	MISSION			
Report No	SEET/	AA/03/22/188		Dat	te	31/03/2022		
Name of Client	M/s G	ALAXY SURFA	CTANTS LI	MITH	ED			
Address of Client	Plot No	o. V-23 & 01, MII	DC Taloja, Ta	ıl. Par	vel, Dist. Ra	igad – 410208		
Sample collected by	AA Re	AA Representative						
Reference								
Date of sampling	17/03/2	2022	Sample Re	ceipt	Date	18/03/2022		
Analysis Start Date	21/03/2	2022	Analysis C	ompl	ete Date	24/03/2022		
	A.V	DETAIL	S OF STAC	K				
Description		Unit			I	Result		
Stack No.				S-5				
Stack Attached To					Scrubber	· No .2 (EOU)		
Shape					F	Round		
Diameter		M		0.6				
Height From Ground Leve	1	M		30				
Temperature	0.01.1120	⁰ C		40				
Velocity of Flue Gases		M/Sec		7.00				
Volume of Flue Gases		Nm ³ /Hr				6780		
Type of Fuel								
POLLUTION PARAME	TERS		N-1	.9	D			
PARAMETERS		METHOD	UNI	r	LIMIT	RESULT		
Total Particulate Matter	IS 1	1255 (part I)-1985	mg/Ni	n ³	150	19.8		
Sulphur Di-Oxide	IS 12	255 (part II) – 1983	5 ppm		50	B.D.L (MDL <1)		
Oxide of Nitrogen	IS 1	1255 (part 7)-2005	i ppm		NA	B.D.L (MDL <1)		
Carbon Dioxide		IS 307 :1966	mg/m	1 ³	NA	0.12		
Acid Mist		EPA Method	ppm	-	NA	9.25		

NOTE:1)The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) BDL – Below Detectable Limit.



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2	1.1.1	10	-		

			CHARLES CHARLES HAVE AND A COMPANY	Set 15, V 0 % 3 + 0, 45 Y 12 9 H 1 4 22 0 0 Y 2.
ANAL VSIS RE	PORT	FOR	STACK	EMISSION

Report No	SEET/AA	/03/22/189		Date		31/03/2022		
Name of Client	M/s GAI	AXY SURFA	CTANTS LIF	MITED				
Address of Client	Plot No.	V-23 & 01, MII	DC Taloja, Ta	l. Panvel, Dist. R	laigad – 4	10208		
Sample collected by	AA Repr	esentative						
Reference								
Date of sampling	17/03/202	22	Sample Red	mple Receipt Date 18/03/2022				
Analysis Start Date	21/03/202	22	Analysis Co	omplete Date	24/03/	2022		
		DETAIL	S OF STAC	К				
Description		- Unit			Result			
Stack No.					S-2			
Stack Attached To				Coal Fire Boiler (5TPH) Cyclone Separator + Bag Filter				
Shape				Round				
Diameter		М			0.4	÷		
Height From Ground Leve	l.	М		35.0				
Temperature		⁰ C			186			
Velocity of Flue Gases		M/Sec		9.60				
Volume of Flue Gases		Nm ³ /Hr		2806				
Type of Fuel		Kg/Hr.	9	12	Coal			
POLLUTION PARAME	TERS							
PARAMETERS	N	1ETHOD	UNIT	I LIMIT		RESULT		
Total Particulate Matter	IS 112	55 (part I)-1985	mg/Nn	n ³ 150		78.2		
Sulphur Di-Oxide	IS 1255	(part II) - 198	5 kg/da	y 12.0		6.25		
Oxide of Nitrogen	IS 112:	55 (part 7)-2005	5 ppm			B.D.L		
Carbon Dioxide	IS	307:1966	mg/m	13		0.22		
Sulphates	EI	PA Method	ppm	N.A.		1.42		
Chloride	EPA	26 A Method	mg/Nn	n ³ N.A.	1	0.07		
SulphurContent			%	0.5		0.0035		

NOTE: 1)The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested.

3) BDL - Below Detectable Limit.

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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. Ø : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

AVE WATER SAVE LIFE

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Report No	SEET/	AA/03/22/190		Dat	e 31/03/202	
Name of Client	M/s G	M/s GALAXY SURFACTANTS LIMITED				
Address of Client	Plot N	o. V-23 & 01, MID	C Taloja, Tal. Pa	nvel, Dist. Ra	aigad – 410208	
Sample collected by	AA Re	presentative				
Reference						
Date of sampling	17/03/2	2022	Sample Receipt	t Date	18/03/2022	
Analysis Start Date	21/03/2	2022	Analysis Comp	lete Date	24/03/2022	
		DETAILS	5 OF STACK			
Description		Unit]	Result	
Stack No.					S-3	
Stack Attached To				Thermopa	c Boiler (EOU)	
Shape	nape			Round		
Diameter		M		0.4		
Height From Ground Leve	el	M		30.25		
Temperature		°C		172		
Velocity of Flue Gases		M/Sec			9.43	
Volume of Flue Gases		Nm³/Hr			2855	
Type of Fuel		Kg/Hr.	1	ŧ.	F.O	
POLLUTION PARAME	TERS		<u> </u>			
PARAMETERS		METHOD	UNIT	LIMIT	RESULT	
Total Particulate Matter	IS 1	1255 (part I)-1985	mg/Nm ³	150	68.7	
Sulphur Di-Oxide	IS 12	255 (part II) - 1985	kg/day	155.52	9.74	
Oxide of Nitrogen	IS 1	1255 (part 7)-2005	Ppm		5.12	
Carbon Dioxide		IS 307 :1966	mg/m ³		0.28	
Sulphur Content			%	4.5	0.0054	

NOTE:1)The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) BDL – Below Detectable Limit.



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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. (C): (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324
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	ANA	LYSIS REPORT	FOR STACK E	MISSION		
Report No	SEET/A	SEET/AA/03/22/196		Date		31/03/2022
Name of Client	M/s GA	/s GALAXY SURFACTANTS LIMITED				
Address of Client	Plot No.	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410 2				
Sample collected by	AA Rep	resentative				
Reference						
Date of sampling	16/03/20)22	Sample Receipt	Date	17/03	/2022
Analysis Start Date	21/03/20)22	Analysis Comp	lete Date	24/03	/2022
		DETAILS	5 OF STACK			
Description		Unit]	Result	
Stack No.					S-6	
Stack Attached To		7.77		Scrubber	· No .3 (1	MED)
Shape		TT .		1	Round	
Diameter		М	0.6		0.6	
Height From Ground Lev	el	М			30	
Temperature		°C			38	10.
Velocity of Flue Gases		M/Sec			7.22	
Volume of Flue Gases		Nm³/Hr			7038	
Type of Fuel						
POLLUTION PARAMI	ETERS					
PARAMETERS		METHOD	UNIT	LIMIT		RESULT
Total Particulate Matter	IS 11:	255 (part I)-1985	mg/Nm ³	150		20.5
Sulphur Di-Oxide	IS 125	55 (part II) – 1985	ppm	50	E	B.D.L (MDL <1)
Oxide of Nitrogen	IS 112	255 (part 7)-2005	ppm	NA	E	.D.L (MDL <1)
Carbon Dioxide	I	S 307 :1966	mg/m ³	NA		0.15
Acid Mist	E	EPA Method	ppm	NA		10.25

NOTE:1)The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) BDL - Below Detectable Limit.



105122



Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. Ø : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

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	ANA	LYSIS REPORT	FOR STACK E	MISSION			
Report No	SEET/	SEET/AA/03/22/198 Date			e	31/03/2022	
Name of Client	M/s G	ALAXY SURFAC	TANTS LIMIT	ED			
Address of Client	Plot N	o. V-23 & 01, MID	C Taloja, Tal. Pa	nvel, Dist. Ra	aigad – 4	10208	
Sample collected by	AA Re	presentative			0		
Reference							
Date of sampling	19/03/2	2022	Sample Receipt	t Date	21/03	/2022	
Analysis Start Date	22/03/2	2022	Analysis Comp	lete Date	25/03	/2022	
		DETAILS	S OF STACK				
Description		Unit		1	Result		
Stack No.		No sea			S-7		
Stack Attached To	_			D.G. Set	1.9 MW	(EOU)	
Shape				Round			
Diameter		M		0.8			
Height From Ground Level		M			45		
Temperature		°C			185		
Velocity of Flue Gases		M/Sec			10.91		
Volume of Flue Gases		Nm ³ /Hr		1	12838		
Type of Fuel		Kg/Hr.		F.O			
POLLUTION PARAMET	FERS			10			
PARAMETERS		METHOD	UNIT	LIMIT		RESULT	
Total Particulate Matter	IS 1	1255 (part I)-1985	mg/Nm ³	150		48.3	
Sulphur Di-Oxide	IS 12	55 (part II) - 1985	kg/day	810		18.6	
Oxide of Nitrogen	IS 11	255 (part 7)-2005	ppm	NA		6.54	
Carbon Dioxide		IS 307 :1966	mg/m ³	NA		0.18	
Sulphur Content			%	4.5		0.0022	

NOTE:1)The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) BDL – Below Detectable Limit.

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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. (C) : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324

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Report No	SEET/	AA/03/22/199		Dat	e	31/03/2022
Name of Client	M/s G	ALAXY SURFAC	TANTS LIMIT	ED		
Address of Client	Plot No	o. V-23 & 01, MID	C Taloja, Tal. Pa	nvel, Dist. R	aigad –	410208
Sample collected by	AA Re	presentative				
Reference						
Date of sampling	19/03/2	2022	Sample Receipt	Date	21/03	3/2022
Analysis Start Date	22/03/2	2022	Analysis Comp	lete Date	25/03	3/2022
		DETAILS	S OF STACK		- 6	
Description		Unit		1	Result	
Stack No.				S-8		
Attached To		1		D.G. Set 1000 KVA		
Shape				Round		
Diameter		М		0.8		
Height From Ground Leve	1	М		33		
Temperature		°C		168		
Velocity of Flue Gases		M/Sec		9.84		
Volume of Flue Gases		Nm ³ /Hr		12026		
Type of Fuel		Kg/Hr.		H.S.D		
POLLUTION PARAME	TERS					
PARAMETERS		METHOD	UNIT	LIMIT		RESULT
Total Particulate Matter	IS 11	255 (part I)-1985	mg/Nm ³	150		41.6
Sulphur Di-Oxide	IS 12	55 (part II) – 1985	kg/day	81.6		6.28
Oxide of Nitrogen	IS 11	255 (part 7)-2005	ppm	NA	1.	5.75
Carbon Dioxide		IS 307 :1966	mg/m ³	NA		0.13
Sulphur Content		-	%	1.0		0.0008

NOTE:1)The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested.

3) BDL – Below Detectable Limit.



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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. (1): (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

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	ANA	LYSIS REPORT	FOR STACK E	MISSION		
Report No	SEET/	AA/03/22/200		Dat	e	31/03/2022
Name of Client	M/s G.	ALAXY SURFAC	TANTS LIMIT	ED	Sec. 1	
Address of Client	Plot No	o. V-23 & 01, MID	C Taloja, Tal. Pa	nvel, Dist. Ra	aigad – 41	0208
Sample collected by	AA Re	presentative				
Reference						
Date of sampling	22/03/2	2022	Sample Receipt	Date	23/03/2	2022
Analysis Start Date	24/03/2	2022	Analysis Compl	lete Date	26/03/2	2022
		DETAILS	5 OF STACK			
Description		Unit		I	Result	
Stack No.					S-1	
Stack Attached To				Oil Fire Boile	er No.1 (2	2.5 TPH)
Shape				Round		
Diameter		М		0.8		
Height From Ground Level	6 	М		33.3		
Temperature		°C		173		
Velocity of Flue Gases		M/Sec			9.44	
Volume of Flue Gases		Nm ³ /Hr		1	11407	
Type of Fuel		Kg/Hr.		F.O./L.D.O- 179		
POLLUTION PARAME	FERS					
PARAMETERS		METHOD	UNIT	LIMIT		RESULT
Total Particulate Matter	IS 1	1255 (part I)-1985	mg/Nm ³	150		60.8
Sulphur Di-Oxide	IS 12	55 (part II) - 1985	kg/day	86.4		13.4
Oxide of Nitrogen	IS 11	1255 (part 7)-2005	ppm	100		11.26
Carbon Dioxide		IS 307 :1966	mg/m ³			0.25
Sulphur Content			- %	4.5		0.0018

NOTE:1)The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) BDL - Below Detectable Limit





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	ANA	LYSIS REPORT	FOR STACK E	MISSION		
Report No	SEET/	AA/03/22/201		Dat	e 31/03/2022	
Name of Client	M/s G	ALAXY SURFAC	TANTS LIMIT	ED		
Address of Client	Plot N	o. V-23 & 01, MID	C Taloja, Tal. Pa	invel, Dist. Ra	aigad – 410208	
Sample collected by	AA Re	presentative			ý.	
Reference						
Date of sampling	22/03/	2022	Sample Receipt	t Date	23/03/2022	
Analysis Start Date	24/03/	2022	Analysis Comp	lete Date	26/03/2022	
		DETAILS	OF STACK			
Description		Unit]	Result	
Stack No.					S-1	
Stack Attached To				Oil Fire Boile	r No. 2(2.5 TPH)	
Shape				Round		
Diameter		M		0.8		
Height From Ground Leve	1	M		33.3		
Temperature		°C	1		174	
Velocity of Flue Gases		M/Sec			9.26	
Volume of Flue Gases		Nm ³ /Hr			11165	
Type of Fuel		Kg/Hr.		F.O./L.D.O – 179		
POLLUTION PARAME	TERS					
PARAMETERS	1	METHOD	UNIT	LIMIT	RESULT	
Total Particulate Matter	IS 1	1255 (part I)-1985	mg/Nm ³	150	60.7	
Sulphur Di-Oxide	IS 12	55 (part II) - 1985	art II) – 1985 kg/day 86.4 14		14.8	
Oxide of Nitrogen	IS 11	1255 (part 7)-2005	ppm		12.65	
Carbon Dioxide		IS 307 :1966	mg/m ³		0.25	
Sulphur Content			%	4.5	0.0020	

NOTE:1)The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested.

3) BDL – Below Detectable Limit



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	ANA	LYSIS REPORT	FOR STACK E	MISSION		
Report No	SEET/	AA/03/22/202		Date	31/03/2022	
Name of Client	M/s G	ALAXY SURFAC	TANTS LIMIT	ED		
Address of Client	Plot N	o. V-23 & 01, MID	C Taloja, Tal. Pa	nvel, Dist. Ra	aigad – 410208	
Sample collected by	AA Re	presentative			0	
Reference		-8				
Date of sampling	22/03/	2022	Sample Receipt	Date	23/03/2022	
Analysis Start Date	24/03/	2022	Analysis Comp	lete Date	26/03/2022	
		DETAILS	S OF STACK			
Description		Unit]	Result	
Stack No.				S-1		
Stack Attached To			Oi	Oil Fire Boiler No.1 & 2(2.5 TPH)		
Shape	100 A			Round		
Diameter		M		0.8		
Height From Ground Leve	1	M		33.3		
Temperature		⁰ C		185		
Velocity of Flue Gases		M/Sec			9.57	
Volume of Flue Gases		Nm ³ /Hr		1	11262	
Type of Fuel		Kg/Hr.		F.O./L.D.O - 179		
POLLUTION PARAME	TERS					
PARAMETERS		METHOD	UNIT	LIMIT	RESULT	
Total Particulate Matter	IS 1	1255 (part I)-1985	mg/Nm ³	150	65.2	
Sulphur Di-Oxide	IS 12	255 (part II) - 1985	kg/day	86.4	17.2	
Oxide of Nitrogen	IS 1	1255 (part 7)-2005	ppm		14.55	
Carbon Dioxide		IS 307 :1966	mg/m ³		0.28	
Sulphur Content			%	4.5	0.0024	

NOTE:1)The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested.

3) BDL – Below Detectable Limit

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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. Ø : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com SAVE WATER SAVE LIFE

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REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/03/22/174	Date	31/03/2022
Name of Client	M/s GALAXY SURFACTA	NTS LIMITED	
Address of Client	Plot No. V-23 & 01, MIDC T	aloja, Tal. Panvel, Dist	t. Raigad – 410208
Sample collected by	AA Representative		
Date of sampling	16/03/2022		
Duration Of sampling	24 hrs		
Reference			

DAY& NIGHT TIME NOISE LEVEL MONITORING

Sr. No	Sampling Location	Noise L dB(A)(D	Noise Levels in dB(A)(Day Time)		Levels (ight Time)	Leq*
		Max	Min	Max	Min	
*1	Material Gate (V-23)	71.2	67.8	66.0	59.4	63.6
MPCB L	IMIT In dB(A) (Day Time)				75	
MPCB L	IMIT In dB(A) (Night Time)				70	

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise And corresponds to frequency response characteristics of the human hear.





Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. (2): (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

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REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/03/22/175	Date	31/03/2022			
Name of Client	M/s GALAXY SURFACTANTS LIMITED					
Address of Client	Plot No. V-23 & 01, MIDC T	aloja, Tal. Panvel, Dist	t. Raigad – 410208			
Sample collected by	AA Representative					
Date of sampling	16/03/2022					
Duration Of sampling	24 hrs					
Reference						

DAY& NIGHT TIME NOISE LEVEL MONITORING

Sr. No	Sampling Location	Noise L dB(A)(D	Noise Levels in dB(A)(Day Time)		Levels Night Time)	Leq
		Max	Min	Max	Min	
1	Gate No.3 (V-23)	67.5	64.2	61.9	54.6	59.5
MPCB L	IMIT In dB(A) (Day Time)				75	
MPCB LIMIT In dB(A) (Night Time)				70		

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise

And corresponds to frequency response characteristics of the human hear.







Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. (2): (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com Save water Save Life

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REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/03/22/176	Date	31/03/2022			
Name of Client	M/s GALAXY SURFACTANTS LIMITED					
Address of Client	Plot No. V-23 & 01, MIDC T	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad – 410208				
Sample collected by	AA Representative	AA Representative				
Date of sampling	22/03/2022	22/03/2022				
Duration Of sampling	24 hrs					
Reference						

DAY& NIGHT TIME NOISE LEVEL MONITORING

Sr. No	Sampling Location	Noise I dB(A)(D	Levels in Day Time)	Noise indB(A)(N	Levels light Time)	Leq*
		Max	Min	Max	Min	
1	Material Gate No. 6 (EOU)	69.8	66.1	65.6	62.4	65.6
MPCB L	IMIT In dB(A) (Day Time)				75	
MPCB L	IMIT In dB(A) (Night Time)	A			70	

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise

And corresponds to frequency response characteristics of the human hear.

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Report No	and an entering as	SEET/	AA/03/22/17	7	Date	31/03	/2022	
Name of Cli	ent	M/s G	ALAXY SU	RFACTANTS	LIMITED			
Address of (Client	Plot N	o. V-23 & 01	, MIDC Taloja	oja, Tal. Panvel, Dist. Raigad – 410208			
Sample colle	ected by	AA Re	presentative					
Date of sam	pling	19/03/2022						
Duration Of	sampling	24 hrs						
Reference		attis tasi atis kisi atsi						
	DAY	& NIGHT	TIME NOI	SE LEVEL M	ONITORING			
Sr. No	Sampling Locat	ion	Noise I dB(A)(I	Levels in Day Time)	Noise Leve (Night	ls indB(A) Time)	Leq	
			Max	Min	Max	Min		

 1
 Near MED Ware House (MED)
 67.9
 64.2
 59.4
 55.0

 MPCB LIMIT In dB(A) (Day Time)
 75

 MPCB LIMIT In dB(A) (Night Time)
 70

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise

And corresponds to frequency response characteristics of the human hear.





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		SEET/AA/03/	22/178		Date	31	/03/2022
Name of Client		M/s GALAX	Y SURFACTA	NTS LIMIT	ED	10	
Address of Clier	nt	Plot No. V-23	& 01, MIDC T	`aloja, Tal. Pa	nvel, Dist. Raig	ad - 410208	
Sample collecte	d by	AA Represent	ative				
Date of samplin	g	22/03/2022					R
Duration Of san	pling -	24 hrs					
teference							
		DAY& NIGH	T TIME NOIS	E LEVEL N	IONITORING		
Sr. No	Samplin	g Location	Noise L	evels in	Noise	evels	Lea
	~~~	5	dB(A)(Day Time)		indB(A)(Night Time)		Log
			Max	Min	Max	Min	
1 Adm	in Gate (I	EOU)	69.9	67.2	61.6	57.4	60.8
MPCB LIMIT	In dB(A)	(Day Time)				75	
MPCB LIMIT	In dB(A)	(Night Time)				70	
NOTE: *dB(A) relatab A "dec "A" in	Leq deno le to huma ibel" is a dB (A) Le	tes the time weigh an hearing. unit in which nois eq, denotes the fre	nted average of e is measured. quency weighti	the level of song in the means the second se	ound in decibels asurement of noi uman hear.	on scale A	which is

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#### REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	CERT		
Name of Client	SEE1/AA/12/21/202	Date	07/01/2022
Name of Chent	M/s GALAXY SURFACTA	NTS LIMITED	07/01/2022
Address of Client	Plot No. V-23 & 01 MIDC T	aloia Tal Paqual Dia	. D
Sample collected by	AA Representative	aloja, Tal. Panvel, Dis	t. Raigad – 410208
Date of sampling	23/12/2021		
Duration Of sampling	24 hrs		
Reference			

#### DAY& NIGHT TIME NOISE LEVEL MONITORING

Sr. No	Sampling Location	Noise L dB(A)(D	evels in ay Time)	Noise indB(A)(N	Levels light Time)	Leq
		Max	Min	Max	Min	
1	Material Gate No. 1 (V-23)	71.2	1 1 2 2			L
MPCB L	IMIT In dB(A) (Day Time)	/1.2	67.2	66.6	57.9	64.0
MPCB L	IMIT In dB(A) (Night Time)				75	
	(Night Time)				70	

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on

scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise And corresponds to frequency response characteristics of the human hear.

Leq: It is the energy mean of the noise level over a specified period.

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LABORATORY

: B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Betim Road, Bardez, Porvorim, Panaji-Goa-403 101. Goa State, India. ⑦: (0832) 2411322 / 23 * E-mail : starlabgoa@rediffmail.com * CIN No. U45209MH1998PTC-116379



#### Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. Ø : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com SAVE WATER SAVE UFE

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Report No		SEET/AA/I	2/21/203		Data	07	01/2022		
Name of C	lient	M/s GALA	XY SURFACT	CANTS LIM	TED	07/	01/2022		
Address of	Client	Plot No. V-2	23 & 01, MIDC	3 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208					
Sample col	lected by	AA Represe	AA Representative						
Date of san	pling	23/12/2021							
Duration O	fsampling	24 hrs	1.1.1						
Reference		*****							
		DAY& NIGH	IT TIME NOI	SE LEVEL N	IONITORING	3			
Sr. No	Sampling	Location	Noise 1 dB(A)(D	Levels in Day Time)	Noise indB(A)(N	Levels light Time)	Leq		
			Max	Min	Max	Min			

MPCB LIMIT In dB(A) (Day Time) MPCB LIMIT In dB(A) (Night Time)

Gate No.3 (V-23)

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

68.0

A "decibel" is a unit in which noise is measured.

"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise And corresponds to frequency response characteristics of the human hear.

Leq: It is the energy mean of the noise level over a specified period.



64.5

62.9

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53.7

75

70

59.7

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Plot No. A-95, Road No. 16, Risan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India ⊕ : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 ● E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

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Report No	SEET/AA/12/21/204	Date	07/01/2022
Name of Client	M/s GALAXY SURFACTANTS	LIMITED	
Address of Client	Plot No. V-23 & 01, MIDC Taloja	, Tal. Panvel, Dist. Raiga	d - 410208
Sample collected by	AA Representative		
Date of sampling	23/12/2021		
Duration Of sampling	24 hrs		
Reference			

Sr. No	Sampling Location	Noise I dB(A)(D	evels in Day Time)	Noise indB(A)(N	Levels light Time)	Leq
		Max	Min	Max	Min	
1	Material Gate No. 6 (EOU)	70.9	67.2	65.3	62.6	65.1
MPCB L	IMIT In dB(A) (Day Time)				75	
MPCB L	IMIT In dB(A) (Night Time)				70	

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on

scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise And corresponds to frequency response characteristics of the human hear.

Leq: It is the energy mean of the noise level over a specified period.



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	REPORT FOR AMBIENT NOISE	LEVEL MONITORING	
Report No	SEET/AA/12/21/205		
Name of Client	M/s GALAXY SURFACTANTS	Date	07/01/2022
Address of Client	Plot No. V-21 & 01 MIDC Takis	LIMITED	
Sample collected by	AA Representative	Tal. Panvel, Dist. Raigad -	410208
Date of sampling	24/12/2021		
Duration Of sampling	24 hrs		
Reference			

	DAY& NIGHT	TIME NOIS	E LEVEL M	ONITOPINO	11	
Sr. No	Sampling Location	Noise Levels in dB(A)(Day Time)		Noise Levels indB(A) (Night Time)		Leg
		Max	Min	Max	Min	
1	Near MED Ware House (MED)	10.0	-			
MPCB L	IMIT In dB(A) (Day The Street)	68,7	65.6	62.0	57.2	62.0
MPCB L	IMIT In dB(A) (Night Time)				75	1 04/0
NOTE	discussion and a second				70	

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on

scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise And corresponds to frequency response characteristics of the human hear.

k

Leq: It is the energy mean of the noise level over a specified period.

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: B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Betim Road, Bardez, Porvortim, Panag-Goa-463 101 Goa State, India. (C): (5632) 2411322 / 23 * E-mail: starlabgoa@rediffmail.com * CiN No. U4525566119568PTC-116379



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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. (0): (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com Gazetted by Ministry of Environment. Format Govd. OU NDIA 5: 0, 0,872 (5) 3404 (2014) 2016 (2014)

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0		NEI OKT FOR	AMBIENT N	OISE LEVE	L MONITORI	NG	
Report No		SEET/AA/I	2/21/204				
Name of C	lient	M/s GALA	2/21/206		Date	0	7/01/2022
Address of	Client	Plat Ne Ma	AT SURFACT	ANTS LIMI	TED	101	10112022
Sampla and	11-22-11	FIOLINO, V-4	23 & 01, MIDC	Taloja, Tal. I	Panvel, Dist. Ra	igad 410200	,
Date of con	flected by	AA Represe	ntative			-Bad 410200	,
Duration O	npling	23/12/2021					
Reference	of sampling	24 hrs					
Reference							
		DAY& NIGH	T TIME NOI	SELEVEL N	IONITODING		
Sr. No	Samul			of BETELN	TORTORING		
Sampur		g Location	Noise Levels in		Noise	Levels	Log
			dB(A)(D	ay Time)	indB(A)(N	ight Time)	Leq
1	Admin Con (D		Max	Min	Max	Min	
MPCBLD	Admin Gate (E	OU)	68.8	66.4	62.0		
MPCRLIM	MIT In dB(A)	(Day Time)		1 00.1	02.0	55.8	59.6
in co Li	(A)	(Night Time)				75	
NOTE: *dl	B(A) Leg denot	es the time weigh	tad avarance c	1		/0	
A "A Ar	"decibel" is a u ", in dB (A) Leo nd corresponds i	n hearing. nit in which noise q, denotes the free	e is measured. quency weighti	ng in the meas	surement of noi	on scale A v	which is

1/02/22

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E-mail : prs@sadekarenviro.com / psadekar5@gmail.com SAVE WATER SAVE LIFE

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	ANALYSIS RE	PORT FOR AN	MBIE	NT AIR SUR	VEILL	ANCE	
Report No	SEET/AA/03/	22/169		Da	te		31/03/2022
Name of Client	M/s GALAXY	SURFACTAN	ITS LI	MITED			
Address of Client	Plot No. V-23	& 01, MIDC Ta	aloja, '	Fal. Panvel, D	Dist. Rai	gad - 4102	208
Sample collected by	AA Represent	AA Representative			ampling		24 Hrs
Reference	3 <del>00000</del> 8		-				1
Date of sampling	16/03/2022		1	Sample Recei	pt Date		17/03/2022
Analysis Start Date	19/03/2022			Analysis Com	plete D	ate	24/03/2022
		AMBIENT A	AIR S'	<b>FATION</b>			
Location of H.V.S.	Near Material	Gate (V-23)	Lateral Distance 5.0 Mtr. From M			rom Material Gate	
Ambient Temperature	33.4°C		Rec	eptor Distance 1.5 Mtr. From Ground Le			rom Ground Level
	Р	OLLUTIONA	L PAF	RAMETERS			
Parameters	Units	Result		NAAQS Limits		Method	
Particulate Matter PM ₁₀	μg/m ³	49.2		100	1	Instr.Manual version 2.01	
Particulate Matter PM2.5	μg/m ³	32.8		60	1	CPCB Mai	nual Volume 1
Sulphur Dioxide (SO ₂ )	μg/m ³	39.0		80	IS 5	182(part 2	2)2001 (RA 2017)
Nitrogen Dioxide (NO ₂ )	μg/m ³	30.0		80	IS 5	182(part 2	2)2006 (RA 2017)
Ozone (O ₃ )	µg/m ³	BDL(MDL<	19.6)	100		MASA	-411 3 rd Ed
Lead (Pb)	μg/m ³	BDL(MDL<	:0.1)	1.0		MASA	-822 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.51	/	02 🧳	IS 5	182(part 1	0)1999 (RA 2014)
Ammonia (NH ₃ )	μg/m ³	BDL(MDL<	0.02)	400		MASA	-401 3 rd Ed
Benzene (C ₆ H ₆ )	μg/m ³	BDL(MDL<	(0.2)	05	IS 5182(part 11)2006 (RA 2017)		1)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL	<1)	01	(	PCB Man	ual Vol 1 2011
Arsenic (As)	ng/m ³	BDL(MDL<	(0.1)	06		MASA	-302 3 rd Ed
Nickel (Ni)	ng/m ³	BDL(MDL	<7)	20	MASA-822 3rd Ed		

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) NAAQS-National Ambient Air Quality Standards

4) BDL - Below Detectable Limit.





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Α	NALYSIS RE	PORT FOR AM	BIENT AI	R SUR	VEILLANCE	
Report No	SEET/AA/0	3/22/170		Date	3	31/03/2022
Name of Client	M/s GALAX	Y SURFACTAN	TS LIMITE	ED	15. A. L. A.	
Address of Client	Plot No. V-2	3 & 01, MIDC Ta	loja, Tal. P	anvel, I	Dist. Raigad – 410	208
Sample collected by	AA Represen	ntative	Duratio	n of sai	npling	24 hrs
Reference						
Date of sampling	16/03/2022		Sample	Receip	t Date	17/03/2022
Analysis Start Date	19/03/2022		Analysi	is Comp	olete Date	24/03/2022
		AMBIENT A	R STATIC	DN		
Location of H.V.S.	Near Gate N	lo.3 (V-23)	Lateral Distance 5.0		5.0 Mtr. F	rom Gate No.3
Ambient Temperature	33.4°C	14 M	Receptor I	Distance	e 1.5 Mtr. From Ground I	
3	I	POLLUTIONAL	PARAME	TERS		
Parameters	Units	Result	NA. Lii	AQS nits	Method	
Particulate Matter PM ₁₀	$\mu g/m^3$	46.7	10	0	Instr.Manua	al version 2.01
Particulate Matter PM2.5	µg/m ³	31.2	6	0	CPCB Mar	ual Volume 1
Sulphur Dioxide (SO ₂ )	µg/m ³	35.8	8	0	IS 5182(part 2	)2001 (RA 2017)
Nitrogen Dioxide (NO ₂ )	μg/m ³	29.7	8	0	IS 5182(part 2	)2006 (RA 2017)
Ozone (O ₃ )	µg/m ³	BDL(MDL<19	.6) 10	0	MASA-	-411 3 rd Ed
Lead (Pb)	µg/m ³	BDL(MDL<0.	1) 1.	0	MASA-	-822 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.29	0	2	IS 5182(part 10	0)1999 (RA 2014)
Ammonia (NH ₃ )	μg/m ³	BDL(MDL<0.	02) 40	0	MASA-	-401 3 rd Ed
Benzene (C ₆ H ₆ )	µg/m ³	BDL(MDL<0.	2) 0:	5	IS 5182(part 1)	1)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<	) 0	1	CPCB Manual Vol 1 2011	
Arsenic (As)	ng/m ³	BDL(MDL<0.	1) 0	5	MASA-	-302 3 rd Ed
Nickel (Ni)	ng/m ³	BDL(MDL<	7) 20	0	MASA-	-822 3 rd Ed

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) NAAQS-National Ambient Air Quality Standards

4) BDL - Below Detectable Limit.

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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. (1): (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com SAVE WATER SAVE LIFE

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4	ANALYSIS RE	PORT FOR AMB	ENT AIR SURVI	EILLANCE				
Report No	SEET/AA/03/2	22/171	Date		31/03/2022			
Name of Client	M/s GALAXY	<b>SURFACTANTS</b>	LIMITED					
Address of Client	Plot No. V-23	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad – 410208						
Sample collected by	AA Representa	ative	Duration of samp	oling	24 hrs			
Reference								
Date of sampling	22/03/2022	4	Sample Receipt I	Date	23/03/2022			
Analysis Start Date	25/03/2022		Analysis Comple	te Date	28/03/2022			
		AMBIENT AIR	STATION					
Location of H.V.S.	Near Material (EOU)	Gate No. 6	Lateral Distance	5.0 Mtr. From Material Gate No. 6 (EOU)				
Ambient Temperature	33.9°C		Receptor Distance	e 1.5 Mtr. From Ground Level				
	P	OLLUTIONAL P	ARAMETERS					
Parameters	Units	Result	NAAQS Limits	Method				
Particulate Matter PM10	ug/m ³	53.8	100	Instr.Man	ual version 2.01			
Particulate Matter PM _{2.5}	ug/m ³	40.4	60	CPCB M	anual Volume 1			
Sulphur Dioxide (SO ₂ )	ug/m ³	36.0	80	IS 5182(part	2)2001 (RA 2017)			
Nitrogen Dioxide (NO ₂ )	μg/m ³	32.7	80	IS 5182(part	2)2006 (RA 2017)			
Ozone $(O_3)$	μg/m ³	BDL(MDL<19.6	) 100	MAS	A-411 3 rd Ed			
Lead (Pb)	$\mu g/m^3$	BDL(MDL<0.1)	) 1.0	MAS	A-822 3 rd Ed			
Carbon Monoxide (CO)	mg/m ³	0.87	02 *	IS 5182(part	10)1999 (RA 2014)			
Ammonia (NH ₂ )	$\mu g/m^3$	BDL(MDL<0.02	400	MAS.	A-401 3 rd Ed			
Benzene (C ₆ H ₆ )	$\mu g/m^3$	BDL(MDL<0.2)	) 05	IS 5182(part 11)2006 (RA 2017)				
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01	CPCB Ma	nual Vol 1 2011			
Arsenic (As)	ng/m ³	BDL(MDL<0.1)	) 06	MAS.	A-302 3 rd Ed			
Nickel (Ni)	ng/m ³	BDL(MDL<7)	20	MASA-822 3rd Ed				

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) NAAQS-National Ambient Air Quality Standards

4) BDL – Below Detectable Limit.

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A	NALYSIS RE	PORT FOR A	AMBIE	NT AIR SUR	VEILLANCE				
Report No	SEET/AA/03/	22/172		Date	)	31/03/2022			
Name of Client	M/s GALAXY	M/s GALAXY SURFACTANTS LIMITED							
Address of Client	Plot No. V-23	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad – 410208							
Sample collected by	AA Represent	AA Representative			npling	24 hrs			
Reference	20202								
Date of sampling	19/03/2022		1	Sample Receip	t Date	21/03/2022			
Analysis Start Date	23/03/2022			Analysis Comp	olete Date	27/03/2022			
		AMBIENT	AIR S	TATION					
Location of H.V.S.	Near MED Wa	are House	Latera	1 Distance	5.0 Mtr. From MED Ware House				
Ambient Temperature	34.1°C		Recep	tor Distance	1.5 Mtr. From Ground Level				
	Р	OLLUTION	AL PAI	RAMETERS					
Parameters	Units	Resul	lt	NAAQS Limits	Method				
Particulate Matter PM10	$\mu g/m^3$	36.8		100	Instr.Manu	al version 2.01			
Particulate Matter PM _{2.5}	$\mu g/m^3$	26.0		60	CPCB Ma	nual Volume 1			
Sulphur Dioxide (SO ₂ )	$\mu g/m^3$	23.4	1	80	IS 5182(part 2	2)2001 (RA 2017)			
Nitrogen Dioxide (NO ₂ )	$\mu g/m^3$	22.6		80	IS 5182(part 2	2)2006 (RA 2017)			
Ozone (O ₃ )	$\mu g/m^3$	BDL(MDL	<19.6)	100	MASA	-411 3 rd Ed			
Lead (Pb)	μg/m ³	BDL(MDI	_<0.1)	1.0	MASA	-822 3 rd Ed			
Carbon Monoxide (CO)	mg/m ³	0.13		02 🦿	IS 5182(part 1	0)1999 (RA 2014)			
Ammonia (NH ₃ )	μg/m ³	BDL(MDL	<0.02)	400	MASA-401 3rd Ed				
Benzene (C ₆ H ₆ )	μg/m ³	BDL(MDI	_<0.2)	05	IS 5182(part 1	1)2006 (RA 2017)			
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MD	L<1)	01	CPCB Mar	nual Vol 1 2011			
Arsenic (As)	ng/m ³	BDL(MDI	_<0.1)	06	MASA	-302 3 rd Ed			
Nickel (Ni)	ng/m ³	BDL(MD	L<7)	20	MASA	-822 3 rd Ed			

NOTE:1) The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) NAAQS-National Ambient Air Quality Standards

4) BDL - Below Detectable Limit.

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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. (2): (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

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	ANALYSIS RE	PORT FOR A	MBIE	NT AIR SU	RVE	ILLANCE	
Report No	SEET/AA/03/	22/173		D	Date		31/03/2022
Name of Client	M/s GALAXY	<b>SURFACTA</b>	NTS I	IMITED			
Address of Client	Plot No. V-23	& 01, MIDC T	'aloja, '	Tal. Panvel,	Dist. I	Raigad – 4102	08
Sample collected by	AA Represent	AA Representative			sampli	ing	24 hrs
Reference							
Date of sampling	22/03/2022		1	Sample Rece	eipt Da	ate	23/03/2022
Analysis Start Date	25/03/2022			Analysis Co	mplete	e Date	28/03/2022
		AMBIENT .	AIR S	TATION			
Location of H.V.S.	Near Admin G	ate (EOU)	Late	Lateral Distance 5.0 Mtr. From Admin Gat			Admin Gate (EOU)
Ambient Temperature	33.9°C		Rece	Receptor Distance 1.5 Mtr. From Ground Le			Ground Level
	P	OLLUTIONA	L PA	RAMETER	S		
Parameters	Units	Result		NAAQS Limits		Method	
Particulate Matter PM ₁₀	μg/m ³	48.6		100		Instr.Manual version 2.01	
Particulate Matter PM2 5	$\mu g/m^3$	31.2		60		CPCB Man	ual Volume 1
Sulphur Dioxide (SO ₂ )	µg/m ³	34.0		80	. 1	S 5182(part 2)	)2001 (RA 2017)
Oxide of Nitrogen (NOx	) $\mu g/m^3$	26.8		80	] ]	S 5182(part 2)	)2006 (RA 2017)
Ozone (O3)	µg/m ³	BDL(MDL<	19.6)	100		MASA-	411 3 rd Ed
Lead (Pb)	µg/m ³	BDL(MDL<	<0.1)	1.0		MASA-	822 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.39		02	I	S 5182(part 10	)1999 (RA 2014)
Ammonia (NH3)	μg/m ³	BDL(MDL<	0.02)	400		MASA-	401 3 rd Ed
Benzene (C6H6)	$\mu g/m^3$	BDL(MDL<	<0.2)	05	I	IS 5182(part 11)2006 (RA 2017)	
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL	.<1)	01		CPCB Manu	ual Vol 1 2011
Arsenic (As)	ng/m ³	BDL(MDL<	<0.1)	06		MASA-	302 3 rd Ed
Nickel (Ni)	ng/m ³	BDL(MDL	.<7)	20		MASA-	822 3 rd Ed

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) NAAQS-National Ambient Air Quality Standards

4) BDL – Below Detectable Limit.

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## Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. Ø : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

SAVE WATER SAVE LIFE

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Report No	SEET/AA/12	2/21/197	Date			07/01/2022
Name of Client	M/s GALAX	Y SURFACTANTS	LIMITED			1 01/01/2022
Address of Client	Plot No. V-2	3 & 01, MIDC Taloja	, Tal. Panvel.	Dist. Ra	igad - 41020	)8
Sample collected by	AA Represer	ntative	Duration of s	ampling	1	24 Hrs
Reference		a second s				
Date of sampling	23/12/2021		Sample Rece	ipt Date		24/12/2021
Analysis Start Date	25/12/2021		Analysis Cor	nplete E	Date	29/12/2021
		AMBIENT AIR	STATION			
Location of H.V.S.	Near Materia	l Gate No.1 (V-23)	Lateral Dist	ance 5.0 Mtr. From Material Gate		
Ambient Temperature	32.8°C		Receptor Di	istance 1.5 Mtr. From Ground Leve		om Ground Leve
	1	POLLUTIONAL PA	RAMETERS			
Parameters	Units	Result	NAAQS Limits	Method		
Particulate Matter PM ₁₀	µg/m ³	45.8	100	Instr.Manual version 2.01		
Particulate Matter PM2.5	µg/m ³	34.3	60		CPCB Manu	al Volume I
Sulphur Dioxide (SO ₂ )	μg/m ³	32.7	80	1S 5	182(part 2)2	001 (RA 2017)
Nitrogen Dioxide (NO ₂ )	$\mu g/m^3$	30.43	80	15 5	182(part 2)2	006 (RA 2017)
Ozone (O ₃ )	μg/m ³	BDL(MDL<19.6)	100		MASA-4	II 3 rd Ed
Lead (Pb)	μg/m ³	BDL(MDL<0.1)	1.0		MASA-82	22 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.48	02	1S 5	82(part 10)	1999 (RA 2014)
Ammonia (NH ₃ )	μg/m ³	BDL(MDL<0.02)	400		MASA-40	01 3rd Ed
Benzene ( $C_6H_6$ )	µg/m ³	BDL(MDL<0.2)	05	IS 5	82(part 11)2	2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01	C	PCB Manua	I Vol 1 2011
rsenic (As)	ng/m'	BDL(MDL<0.1)	06		MASA-30	2 3rd Ed
lickel (Ni)	ng/m ³	BDL(MDL<7)	20		MASA-87	2 3rd Ed

3) NAAQS-National Ambient Air Quality Standards

4) BDL - Below Detectable Limit.



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Report No	SEET/AA/	2/21/198		I Data		07/01/2022
Name of Client	M/s GALA	XV SURFACTAN	TE LIMITE	Date		07/01/2022
Address of Client	Plot No. V.	23 & 01 MIDC T	VIS LIMITE	D I D' I		0200
Sample collected by	AA Represe	25 & 01, MIDC 1	aloja, Tal. Pa	nvel, Dist.	Raigad – 41	0208
Reference		anative	Duration	of sampli	ng	24 hrs
Date of sampling	23/12/2021		Course 1	1.1.1.0		24/12/2021
Analysis Start Date	25/12/2021	Sample Ke		Ceceipt Da	te	24/12/2021
	12/12/2021	AMDIENT	Analysis	Complete	Date	29/12/2021
Location of H.V.S.	Near Gate 1	AMDIENT A	IR STATIO	N	1.0.00	N .
Ambient Temperature	32.8°C	10.5 (1-25)	C.5 (v-25) Lateral Distance		5.0 Mtr. From Gate No.3	
	02.00	POLLUTIONAL	PADAMET	EDE	1.5 Mtr. 1	rom Ground Leve
Parameters	Unite	Pacult	TARAMET	CR5		
	Cints	Kesun	NAA	.QS Method		lethod
Particulate Matter PM10	ug/m ³	40.7	100	15	Inste Monu	al vention 2.01
Particulate Matter PM25	ug/m ³	29.5	60		CPCP Mailu	al version 2.01
Sulphur Dioxide (SO ₂ )	ug/m ³	26.8	80		CFCD Ma	
Nitrogen Dioxide (NO2)	ug/m'	23.6	80		5 5182(part 2	2)2001 (RA 2017)
Ozone (O ₃ )	ug/m ³	BDL(MDL<19	6) 100		MASA	411 2rd Fd
Lead (Pb)	µg/m ³	BDL(MD1<0	1) 100		MASA	922 210 Ed
Carbon Monoxide (CO)	mg/m ³	0.26	02	15	5182(part 1)	0223 EQ
Ammonia (NH ₃ )	µg/m ³	BDL(MDL<0.0	12) 400	1.5	MASA	101 2rd Ed
Benzene (C ₆ H ₆ )	µg/m ³	BDL(MDL<0.)	2) 05	15	5182(part 1	4013 Ed
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1	) 01	15	CPCB Man	1)2000 (RA 2017)
Arsenic (As)	ng/m ³	BDL(MDL<0.	06		MASA	202 210 54
lickal (NI)		DDI ALCOL	) 06 MASA-302 3 rd I		502 5 Ed	

OTE: 1) The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested.

3) NAAQS-National Ambient Air Quality Standards

4) BDL - Below Detectable Limit.

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Report No	SEET/AA/I	2/21/199	10	lata		07/01/2022
Name of Client	M/s GALA	XY SURFACTANT	SIMITED	vare		07/01/2022
Address of Client	Plot No. V-	23 & 01 MIDC Talo	a Tal Paqual	Dist. I	1.1.1.1.00	
Sample collected by	AA Represe	ntative	Duration of	Dist, I	caigad – 4102	108
Reference			Duration of	sampti	ng	24 hrs
Date of sampling	23/12/2021		Sample Page	lat De		2112000
Analysis Start Date	25/12/2021	25/12/2021		ipt Da	le D	24/12/2021
		AMRIENT AID	STATION	npiete	Date	29/12/2021
Location of H.V.S.	Near Materia	I Gate No. 6	Lateral Distan	20	LEAM C	11.1.1.0
	(EOU)		Lateral Distan	ince 5.0 Mtr. From Material Gi		om Material Gate
Ambient Temperature	32.8°C		Recentor Dist	tance 1.5 Mir Erom Crowed L		0
		POLLUTIONAL P	RAMETERS	ince	1.5 Mtr. Pro	om Ground Level
Parameters	Units Result		NAAOS	1		
			Limits	Method		
Particulate Matter PM10	µg/m ³	49.3	100		Instr Manual	varian 2.01
rarticulate Matter PM2 5	µg/m ³	38.4	60	-	CPCB Manual	al Volume 1
Sulphur Dioxide (SO ₂ )	µg/m ³	31.6	80	IS	5182(part 2)2	2001 (RA 2017)
Nitrogen Dioxide (NO ₂ )	µg/m³	28.4	80	15	5182(part 2)2	2006 (RA 2017)
and (Db)	µg/m'	BDL(MDL<19.6)	100		MASA-4	11 3 rd Ed
arbon Monavid (CO)	μg/m ³	BDL(MDL<0.1)	1.0		MASA-8	22 3rd Ed
mmonia (NUL)	mg/m'	0.72	02	1S 5	182(part 10)	999 (RA 2014)
enzene (C 11)	μg/m ³	BDL(MDL<0.02)	400		MASA-40	1 3 rd Ed
$enzene (C_6H_6)$	µg/m'	BDL(MDL<0.2)	05	1S 5	182(part 11)2	006 (RA 2017)
rsenic (As)	ng/m	BDL(MDL<1)	01	(	PCB Manual	Vol 1 2011
ickel (Ni)	ng/m	BDL(MDL<0.1)	06		MASA-30	2 3rd Ed
iener (ivi)	ng/m	BDL(MDI < 7)	20		11101.00	

2) The above results relate only to the item tested.

3) NAAQS-National Ambient Air Quality Standards

4) BDL - Below Detectable Limit.



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$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$		ANALYSIS F	REPORT FOR	АМВ	IENT AIR S	URVEILLANCE		
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Report No	SEET/AA/I	2/21/200					
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Name of Client	MISCALA	2/21/200 VV SUDEL 67			Date	07/01/2022	
	Address of Client	Plot No. V.	AY SURFACT	ANTS	<b>S LIMITED</b>			
ReferenceDuration of sampling24 hrsDate of sampling $24/12/2021$ Sample Receipt Date $25/12/2021$ Analysis Start Date $27/12/2021$ Analysis Complete Date $30/12/2021$ Location of H.V.S.Near MED Ware House (MED)Lateral Distance $5.0$ Mtr. From KED Ware HouseAmbient Temperature $33.1^{\circ}$ CReceptor Distance $1.5$ Mtr. From Ground LevelPOLLUTIONAL PARAMETERSParametersUnitsResultNAAQS LimitsParticulate Matter PM10 $\mu g/m^3$ $36.2$ $100$ Instr.Manual version 2.01Sulphur Dioxide (SO2) $\mu g/m^3$ $26.1$ $80$ IS $5182(part 2)2001$ (RA 2017)Ozone (O3) $\mu g/m^3$ $BDL(MDL<19.6)$ $100$ MASA-411 3'd EdLead (Pb) $\mu g/m^3$ $BDL(MDL<0.1)$ $1.0$ MASA-822 3'd EdCarbon Monoxide (CO) $mg/m^3$ $0.19$ $02$ IS $5182(part 10)1999$ (RA 2014)Ammonia (NH3) $\mu g/m^3$ $BDL(MDL<0.2)$ $400$ MASA-401 3'd EdBenzene (C6H6) $\mu g/m^3$ $BDL(MDL<0.2)$ $05$ IS $5182(part 10)1999$ (RA 2017)Arsenic (As) $ng/m^3$ $BDL(MDL<0.2)$ $05$ IS $5182(part 10)1999$ (RA 2017)	Sample collected by	AA Pappagatedi			i, Tal. Panvel	, Dist. Raigad - 41	0208	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Reference	A Represe	ntative		Duration of	sampling	24 hrs	
Analysis Start Date $24/12/2021$ Sample Receipt Date $25/12/2021$ Analysis Start Date $27/12/2021$ Analysis Complete Date $30/12/2021$ Location of H.V.S.         Near MED Ware House (MED)         Lateral Distance $5.0$ Mtr. From MED Ware House           Ambient Temperature $33.1^{\circ}$ C         Receptor Distance $1.5$ Mtr. From Ground Level           Parameters         Units         Result         NAAQS Limits         Method           Particulate Matter PM ₁₀ $\mu g/m^3$ $36.2$ 100         Instr.Manual version 2.01           Sulphur Dioxide (SO ₂ ) $\mu g/m^3$ $26.1$ $80$ IS 5182(part 2)2001 (RA 2017)           Nitrogen Dioxide (NO ₂ ) $\mu g/m^3$ $21.3$ $80$ IS 5182(part 2)2006 (RA 2017)           Ozone (O ₃ ) $\mu g/m^3$ BDL(MDL<19.6)	Date of sampling	24/12/2021						
Analysis Complete Date30/12/2021AMBIENT AIR STATIONLocation of H.V.S.Near MED Ware House (MED)Lateral Distance5.0 Mtr. From MED Ware House (MED)Ambient Temperature $3.1^{\circ}$ CReceptor Distance1.5 Mtr. From Ground LevelPOLLUTIONAL PARAMETERSParametersUnitsResultNAAQS LimitsParticulate Matter PM10 $\mu g/m^3$ 36.2100Instr.Manual version 2.01Particulate Matter PM25 $\mu g/m^3$ 26.180IS 5182(part 2)2001 (RA 2017)Nitrogen Dioxide (SO2) $\mu g/m^3$ BDL(MDL<19.6)100MASA-411 3' ^d EdOzone (O3) $\mu g/m^3$ BDL(MDL<19.6)100MASA-4211 3' ^d EdCarbon Monoxide (CO)mg/m³BDL(MDL<0.2)400MASA-401 3' ^d EdAmmonia (NH3) $\mu g/m^3$ BDL(MDL<0.2)05IS 5182(part 11)2006 (RA 2017)Benzene (C6H6) $\mu g/m^3$ BDL(MDL<0.2)05IS 5182(part 11)2006 (RA 2017)Arsenic (As) $ng/m^3$ BDL(MDL<0.1)01CPCB Manual Vol 12011Arsenic (As) $ng/m^3$ BDL(MDL<0.1)06MASA-302 3' ^d Ed	Analysis Start Date	27/12/2021	021 Sample		Sample Rec	eipt Date	25/12/2021	
AMBIENT AIR STATIONLocation of H.V.S.Near MED Ware House (MED)Lateral Distance5.0 Mtr. From MED Ware House (MED)Ambient Temperature33.1°CReceptor Distance1.5 Mtr. From Ground LevelPOLLUTIONAL PARAMETERSParametersUnitsResultNAAQS LimitsParticulate Matter PM10 $\mu g/m^3$ 36.2100Instr.Manual version 2.01Particulate Matter PM25 $\mu g/m^3$ 23.560CPCB Manual Volume 1Sulphur Dioxide (SO2) $\mu g/m^3$ 21.380IS 5182(part 2)2001 (RA 2017)Nitrogen Dioxide (NO2) $\mu g/m^3$ BDL(MDL<19.6)100MASA-411 3'd EdCardon Monoxide (CO)mg/m³BDL(MDL<0.1)1.0MASA-822 3'd EdAmmonia (NH3) $\mu g/m^3$ BDL(MDL<0.2)400MASA-401 3'd EdBenzene (C6H6) $\mu g/m^3$ BDL(MDL<1)01CPCB Manual Vol 2017Benzene (C6H6) $\mu g/m^3$ BDL(MDL<1)01CPCB Manual Vol 2017Benzene (A8) $ng/m^3$ BDL(MDL<0.2)05IS 5182(part 11)2006 (RA 2017)Benzene (C6H6) $\mu g/m^3$ BDL(MDL<0.2)05IS 5182(part 11)2006 (RA 2017)Benzene (C6H6) $\mu g/m^3$ BDL(MDL<0.2)05IS 5182(part 11)2006 (RA 2017)Benzene (C6H6) $\mu g/m^3$ BDL(MDL<0.1)01CPCB Manual Vol 2017		12//12/2021			Analysis Co	mplete Date	30/12/2021	
Ambient TemperatureNear MED Ware House (MED)Lateral Distance5.0 Mtr. From MED Ware HouseAmbient Temperature $33.1^{\circ}$ CReceptor Distance1.5 Mtr. From Ground LevelPOLLUTIONAL PARAMETERSParametersUnitsResultNAAQS LimitsMethodParticulate Matter PM10 $\mu g/m^3$ $36.2$ 100Instr.Manual version 2.01Particulate Matter PM23 $\mu g/m^3$ $23.5$ 60CPCB Manual Volume 1Sulphur Dioxide (SO2) $\mu g/m^3$ $21.3$ 80IS 5182(part 2)2001 (RA 2017)Nitrogen Dioxide (NO2) $\mu g/m^3$ BDL(MDL<19.6)	Location of H V S	New MED W	AMBIENT	AIR	STATION			
Ambient Temperature $33.1^{\circ}$ C         Receptor Distance         1.5 Mtr. From Ground Level           POLLUTIONAL PARAMETERS           Parameters         Units         Result         NAAQS Limits         Method           Particulate Matter PM ₁₀ $\mu g/m^3$ 36.2         100         Instr.Manual version 2.01           Particulate Matter PM _{2.5} $\mu g/m^3$ 23.5         60         CPCB Manual Volume 1           Sulphur Dioxide (SO ₂ ) $\mu g/m^3$ 21.3         80         IS 5182(part 2)2001 (RA 2017)           Ozone (O ₃ ) $\mu g/m^3$ BDL(MDL<19.6)		(MED)	Vare House	Later	ral Distance	5.0 Mtr. From MED Ware House		
POLLUTIONAL PARAMETERS           Parameters         Units         Result         NAAQS Limits         Method           Particulate Matter PM ₁₀ $\mu g/m^3$ 36.2         100         Instr.Manual version 2.01           Particulate Matter PM _{2.3} $\mu g/m^3$ 23.5         60         CPCB Manual Volume 1           Sulphur Dioxide (SO ₂ ) $\mu g/m^3$ 26.1         80         IS 5182(part 2)2001 (RA 2017)           Nitrogen Dioxide (NO ₂ ) $\mu g/m^3$ 21.3         80         IS 5182(part 2)2006 (RA 2017)           Ozone (O ₃ ) $\mu g/m^3$ BDL(MDL<19.6)	Ambient Temperature	33.1°C		Rece	ntor Distance	1.5 Mtr. From Ground Level		
Parameters         Units         Result         NAAQS Limits         Method           Particulate Matter PM ₁₀ $\mu g/m^3$ 36.2         100         Instr.Manual version 2.01           Particulate Matter PM _{2.5} $\mu g/m^3$ 23.5         60         CPCB Manual Volume 1           Sulphur Dioxide (SO ₂ ) $\mu g/m^3$ 21.3         80         IS 5182(part 2)2001 (RA 2017)           Nitrogen Dioxide (NO ₂ ) $\mu g/m^3$ 21.3         80         IS 5182(part 2)2006 (RA 2017)           Ozone (O ₃ ) $\mu g/m^3$ BDL(MDL<19.6)			POLLUTION	AL PA	RAMETED		n Ground Level	
Particulate Matter $PM_{10}$ $\mu g/m^3$ $36.2$ $100$ Instr.Manual version 2.01Particulate Matter $PM_{2.3}$ $\mu g/m^3$ $23.5$ $60$ CPCB Manual Volume 1Sulphur Dioxide (SO ₂ ) $\mu g/m^3$ $26.1$ $80$ IS 5182(part 2)2001 (RA 2017)Nitrogen Dioxide (NO ₂ ) $\mu g/m^3$ $21.3$ $80$ IS 5182(part 2)2006 (RA 2017)Ozone (O ₃ ) $\mu g/m^3$ BDL(MDL<19.6)	Parameters	Units Result		I NAAOS	,			
Particulate Matter $PM_{10}$ $\mu g/m^3$ 36.2         100         Instr.Manual version 2.01           Particulate Matter $PM_{2.3}$ $\mu g/m^3$ 23.5         60         CPCB Manual Volume 1           Sulphur Dioxide (SO ₂ ) $\mu g/m^3$ 26.1         80         IS 5182(part 2)2001 (RA 2017)           Nitrogen Dioxide (NO ₂ ) $\mu g/m^3$ 21.3         80         IS 5182(part 2)2006 (RA 2017)           Ozone (O ₃ ) $\mu g/m^3$ BDL(MDL<19.6)					Limite	1	lethod	
Particulate Matter $PM_{2.3}$ $\mu g/m^3$ 23.5         60         CPCB Manual Version 2.01           Sulphur Dioxide (SO ₂ ) $\mu g/m^3$ 23.5         60         CPCB Manual Volume 1           Nitrogen Dioxide (NO ₂ ) $\mu g/m^3$ 26.1         80         IS 5182(part 2)2001 (RA 2017)           Ozone (O ₃ ) $\mu g/m^3$ 21.3         80         IS 5182(part 2)2006 (RA 2017)           Lead (Pb) $\mu g/m^3$ BDL(MDL<19.6)	Particulate Matter PM10	µg/m ³	36.2		100	Inste Man	1 2.01	
Sulphur Dioxide (SO ₂ ) $\mu g/m^3$ 26.1         80         IS 5182(part 2)2001 (RA 2017)           Nitrogen Dioxide (NO ₂ ) $\mu g/m^3$ 26.1         80         IS 5182(part 2)2001 (RA 2017)           Ozone (O ₃ ) $\mu g/m^3$ 21.3         80         IS 5182(part 2)2006 (RA 2017)           Lead (Pb) $\mu g/m^3$ BDL(MDL<19.6)	Particulate Matter PM2.5	µg/m ³	23.5		60	CDCD M	al version 2.01	
Nitrogen Dioxide (NO2) $\mu g/m^3$ 21.3         80         15.5182(part 2)2001 (RA 2017)           Ozone (O3) $\mu g/m^3$ BDL(MDL<19.6)	Sulphur Dioxide (SO ₂ )	µg/m ³	26.1		80	CPCB Mai	nual Volume I	
Ozone $(O_3)$ $\mu g/m^3$ BDL(MDL<19.6)         100         MASA-411 3rd Ed           Lead (Pb) $\mu g/m^3$ BDL(MDL<0.1)	Nitrogen Dioxide (NO ₂ )	µg/m ³	213		80	15 5182(part 2	()2001 (RA 2017)	
Lead (Pb) $\mu g/m^3$ BDL(MDL<0.1)         100         MASA-411 3° Ed           Carbon Monoxide (CO)         mg/m^3         BDL(MDL<0.1)	Ozone (O ₃ )	µg/m ³	BDL(MDL <	19.6)	100	15 5182(part 2	)2006 (RA 2017)	
Carbon Monoxide (CO) $mg/m^3$ $0.19$ $02$ IS 5182(part 10)1999 (RA 2014)           Ammonia (NH ₃ ) $\mu g/m^3$ BDL(MDL<0.02)	Lead (Pb)	µg/m ³	BDL(MDL <	0 1)	100	MASA-	411 3 rd Ed	
Ammonia (NH ₃ )         μg/m ³ BDL(MDL<0.02)         400         MASA-401 3 rd Ed           Benzene (C ₆ H ₆ )         μg/m ³ BDL(MDL<0.2)	Carbon Monoxide (CO)	mg/m ³	0.19	0.1)	02	MASA-	822 3 rd Ed	
Benzene (C ₆ H ₆ )         µg/m ³ BDL(MDL<0.2)         400         MASA-401 3" Ed           Benzo (a) Pyrene (BaP)         ng/m ³ BDL(MDL<1)	Ammonia (NH ₃ )	$\mu g/m^3$	BDL (MDL <	0.02)	400	15 5182(part 10	0)1999 (RA 2014)	
Benzo (a) Pyrene (BaP)         ng/m³         BDL(MDL<1)         01         CPCB Manual Vol 1 2011           Arsenic (As)         ng/m³         BDL(MDL<0.1)	Benzene ( $C_6H_6$ )	µg/m ³	BDL(MDI <	0.2)	400	MASA-	401 3 rd Ed	
Arsenic (As) ng/m ³ BDL(MDL<0.1) 06 MASA-302 3 rd Ed	Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL	<1)	01	15 5182(part 11	)2006 (RA 2017)	
MASA- 107 3º FA	Arsenic (As)	ng/m ³	BDL(MDL<	0.1)	06	CPCB Mant	al Vol 1 2011	
Nicket (NI) ng/m ³ BDL(MDL<7) 20 MASCA 922.21 C	Nickel (Ni)	ng/m ¹	BDL(MDL-	<7)	20	MASA-	302 3" Ed	

The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) NAAQS-National Ambient Air Quality Standards 4) BDL - Below Detectable Limit.



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: 310, Dempo Towers, EDC Patto, Panaji-403 001. Goa State, India () : (0832) 2437048 / 2437164 E-mail : sadekarenviro@rediffmail.com • Website : www.sadekarenviro.com

LABORATORY

: B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Betim Road, Bardez, Porvorim, Panaji-Goa-403 101. Goa State, India. ①: (0832) 2411322 / 23 * E-mail : starlabgoa@rediffmail.com * CIN No. U45209MH1998PTC-116379

Management Syster



### Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India. Ø: (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com SAVE LIFE
Gazetted by Ministry of Environment, Forest Govt. Of INDIA, S. O. 857 (E), Valid upto 25.02.2023 * QCI-NABET Accredited EIA Consultancy

1	ANALYSIS RI	EPORT FOR A	MBI	ENT AIR SUP	RVEILLANCE	
Report No	SEET/AA/12	/21/201		Da	te	07/01/2022
Name of Client	M/s GALAX	Y SURFACTA	NTS	LIMITED		07/07/2022
Address of Client	Plot No. V-2.	3 & 01, MIDC 1	Taloia.	Tal Panyel D	ist Raigad - 410	208
Sample collected by	AA Represen	AA Representative			moline	24 hrs
Reference						
Date of sampling	23/12/2021			Sample Receip	ot Date	24/12/2021
Analysis Start Date	25/12/2021			Analysis Com	plete Date	29/12/2021
		AMBIENT	AIRS	STATION		1
Location of H.V.S.	Near Admin (	Gate (EOU)	OU) Lateral Distance 50 Mtr. From /			Admin Gate (EOU)
Ambient Temperature	33.8°C		Rec	eptor Distance	1.5 Mtr. From	Ground Level
		POLLUTIONA	LPA	RAMETERS		
Parameters	Units	Result		NAAQS Limits	м	ethod
Particulate Matter PM10	µg/m ³	43.3		100	Instr. Manua	l version 2.01
Particulate Matter PM2.5	µg/m ¹	31.8		60	CPCB Man	ual Volume 1
Sulphur Dioxide (SO ₂ )	µg/m ³	29.5		80	IS 5182(part 2)	2001 (RA 2017)
Oxide of Nitrogen (NOx)	μg/m ³	27.0		80	IS 5182(part 2)	2006 (RA 2017)
Ozone (O3)	μg/m ³	BDL(MDL<	19.6)	100	MASA-	111 3 rd Ed
Lead (Pb)	µg/m ³	BDL(MDL<	0.1)	1.0	MASA-8	322 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.31		02	IS 5182(part 10	)1999 (RA 2014)
Ammonia (NH3)	µg/m³	BDL(MDL<0	0.02)	400	MASA-401 3rd Ed	
Benzene (C6H6)	μg/m ³	BDL(MDL<	0.2)	05	IS 5182(part 11)2006 (RA 2017)	
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<	<1)	01	CPCB Manu	al Vol 1 2011
Arsenic (As)	ng/m ³	BDL(MDL<	0.1)	06	MASA-3	02 3' ^d Ed
Nickel (Ni)	ng/m ³	BDL(MDL<	<7)	20	MASA-8	22 3 rd Ed

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.

2) The above results relate only to the item tested.

3) NAAQS-National Ambient Air Quality Standards

4) BDL - Below Detectable Limit.



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1 310, Dempo Towers, EDC Patto, Panaji-403 001. Gos State, India @ : (0832) 2437048 / 2437164 E-mail : sadekarenviro@rediffmail.com • Website : www.sadekarenviro.com

LABORATORY

B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Betim Road, Bardez, Porvorim, Panaji-Goa-403 101. Goa State, India. (C): (0832) 2411322 / 23 * E-mail: startabgoa@rediffmail.com * CIN No. U46200MH1998PTC-116379 Maharashtra Pollution Control Board



महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Application UAN number UAN No.0000085185

FORM V (See Rule 14) Environmental Audit Report for the financial Year ending the 31st March 2021

Unique Application Number MPCB-ENVIRONMENT_STATEMENT-0000036091

#### PART A

#### **Company Information**

Company Name Galaxy Surfactants Limited

Address V-23 & Plot No.1, MIDC Taloja, Tal. Panvel, Dist. Raigad

**Plot no** V-23 & 01

**Capital Investment (In lakhs)** 31615.24

**Pincode** 410208

Telephone Number 39215300

**Consent Valid Upto** 

**Region** SRO-Taloja

28/02/2022

Last Environmental statement submitted online yes

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

FORMAT1.0/CAC/UAN No.0000085185/CR-2007000092

#### Establishment Year

1980

Taluka

Panvel

Scale

Person Name

Fax Number

Industry Category

**Consent Number** 

Mr. Seshu

27411701

Red

LSI

Submitted Date 22-09-2021

**Village** Chal

**City** Panvel

**Designation** Head Conversion

**Email** seshu@galaxysurfactants.com

Industry Type other

**Consent Issue Date** 

01/07/2020

**Date of last environment statement** submitted Sep 23 2020 12:00:00:000AM

Product Information			
Product Name	<b>Consent Quantity</b>	Actual Quantity	UOM
Anionic surfactants (on 100% AM basis) such as Fatty Alcohol Sulphate, Fatty Alcohol ether sulphates etc.	85680	62565	MT/A
Ethylene Oxide Condensate	60000	36745	MT/A
Cationic Surfactants (on 100% AM basis) such as Betaine, Quaternary Ammonium Salts etc.	18240	5854	MT/A
Sulphosuccinates	720	0	MT/A
Surfactant blends (on 100% AM basis) such as Syndet Soap- Granules/Noodles, Sparkle series etc.	15840	1077	MT/A

Fatty Acid Esters, Fatty alkanol amides and esterquats	20400	6270	MT/A	
By-product Information				
By Product Name	Consent Quantity	Actual Quantity	UOM	
Conc. Sulphuric Acid	1584	635	MT/A	
Sodium Sulphate 20-25 % solution , Solids 37.5 MT/ M	2160	351	MT/A	

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

1) Water Consumption in m3/day		
Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	320.00	169.08
Cooling	380.00	200.66
Domestic	65.00	34.32
All others	20.00	10.53
Total	785.00	414.59

2) Effluent Generation in CMD / MLD			
Particulars	<b>Consent Quantity</b>	Actual Quantity	UOM
Trade Effluent	184.00	147.89	CMD
Domestic Effluent	60.00	27.45	CMD

#### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Anionic surfactants (on 100% AM basis) such as Fatty Alcohol Sulphate, Fatty Alcohol ether sulphates etc.	0.0059	0.0066	CMD
Ethylene Oxide Condensate	0.099	0.011	CMD
Cationic Surfactants (on 100% AM basis) such as Betaine, Quaternary Ammonium Salts etc.	0.061	0.070	CMD
Sulphosuccinates	0	0	CMD
Surfactant blends (on 100% AM basis) such as Syndet Soap- Granules/Noodles, Sparkle series etc.	0.311	0.385	CMD
Fatty Acid Esters, Fatty alkanol amides and esterquats.	0.057	0.066	CMD
Conc. Sulphuric Acid (By Product)	0.54	0.65	CMD
Sodium Sulphate 20-25 % solution , MT/ M (By Product)	1.15	0.036	CMD

# 3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Ethylene Oxide	0.258	0.261	MT/A
Caustic Lye	0.291	0.284	MT/A
Fatty Alcohol	0.711	0.691	MT/A
Sulphur	0.106	0.104	MT/A
CFA	0.92	0.450	MT/A
DMAPA	0.024	0.254	MT/A

MCA	0.023	0.241	MT/A
MEA	0.139	0.130	MT/A
MEG	0.048	0.054	MT/A
Stearic Acid	0.415	0.445	MT/A
Fatty Alcohol Ethoxylates	0.154	0.011	MT/A
Hydrogen Peroxide	0.001	0.01	MT/A
DMLA	0	0.0	MT/A
Starch	0.022	0.013	MT/A
Citric Acid	0.004	0.005	MT/A
Cetostearyl Alcohol	0.150	0.005	MT/A
Cetostearyl Alcohol Ammonia	0.150 0	0.005 0.011	MT/A MT/A
Cetostearyl Alcohol Ammonia Cetyl Alcohol (C16-95%)	0.150 0 0	0.005 0.011 0.0005	MT/A MT/A MT/A

4) Fuel Consumption			
Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	6570	3783.01	MT/A
FO	4266.12	222.23	MT/A
HSD	1489.2	14.068	KL/A

#### Part-C

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

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
рН	0	6.98	17.88	6.0 - 8.5	Within MPCB norms
BOD	0	1.0	99	100	Within MPCB norms
COD	0	9.57	96.17	250	Within MPCB norms
Oil & Grease	0	0.2	98	10	Within MPCB norms
Suspended Solids	0	5	95	100	Within MPCB norms
Total Dissolved Solids	0	73.00	96.52	2100	Within MPCB norms
Sulphates	0	43.50	95.65	1000	Within MPCB norms
Chlorides	0	19.20	96.80	600	Within MPCB norms
Total Ammonical Nitrogen	0	0.1	99.80	50	Within MPCB norms
Total Kjeldhal Nitrogen	0	0.5	99.50	100	Within MPCB norms
Sodium	0	1	98.33	60%	Within MPCB norms
Free Ammonia	0	0.1	99.90	100	Within MPCB norms

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
TPM - (S-6 MED)	0.197	27.3	81.20	150	Within MPCB norms
SO2 - (S-6 MED)	0	0	0	50	Within MPCB norms
TPM - (S1 2.5 TPH)	0.80	71.9	34.26	150	Within MPCB norms
SO2 - (S1 2.5 TPH)	13.4	49.86	90.02	86.4	Within MPCB norms
TPM - (S2 5 TPH)	0.27	97.5	27.8	150	Within MPCB norms
SO2- (S2 5 TPH)	7.32	109.63	43.83	12.0	Within MPCB norms
TPM- (Thermopac)	0.21	76.2	33.80	150	Within MPCB norms
TPM- (SO2)	6.56	97.79	96.71	155.82	Within MPCB norms
TPM- (V-23 Scrubber No.1)	0.133	20.33	86.13	150	Within MPCB norms
SO2- (V-23 Scrubber No.1)	0	0	98.0	50	Within MPCB norms
TPM- (EOU Scrubber No.2)	0.161	22.5	79.66	150	Within MPCB norms
SO2- (EOU Scrubber No.2)	0	0	98.0	150	Within MPCB norms
TPM - (D.G Set 1.9 MW)	0.514	43.7	69.13	150	Within MPCB norms
SO2 - (D.G Set 1.9 MW)	18.2	61.200	99.37	810	Within MPCB norms
TPM - (D.G Set 1000 KVA)	0.55	46.8	70.33	150	Within MPCB norms
SO2 - (D.G Set 1000 KVA)	7.26	25.44	94.41	81.6	Within MPCB norms

#### Part-D

HAZARDOUS WASTES			
1) From Process			
Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	1.37	5.560	MT/A
1.6 Spent catalyst and molecular sieves	0.29	0.71	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	19.21	16.78	MT/A
33.2 Contaminated cotton rags or other cleaning materials	0.03	0.0	MT/A
5.2 Wastes or residues containing oil	0.940	0.83	MT/A

2) From Pollution Control Facilities			
Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	ИОМ
35.1 Exhaust Air or Gas cleaning residue	71.02	77.97	MT/A
35.3 Chemical sludge from waste water treatment	80.78	64.37	MT/A
37.3 Concentration or evaporation residues	0	91.05	MT/A

#### Part-E

Waste Paper/ paper bags	23.70	48.294	MT/A
Corrugated Box	0.0	0.0	MT/A
Broken Glass	1.12	1.99	MT/A
Used decontaminated drums	2458	4471	Nos./Y
Plastic/HDPE decontaminated bags	23.500	16.156	MT/A
Flexi bags	1450	1735	Nos./Y
Filter elements	0.0	0	Nos./Y
Wooden scrap	11.8	114.58	MT/A
Noncontaminated Plastic	0	16.098	MT/A
Insulation Waste (LRB, PUF, Calcium Silicate, Nirrile rubber, Cerawool, Asbestos Rope, etc)	0	14.46	MT/A
Wooden scrap	11.931	11.8	MT/A
Process Consumables (Silica gel, Ceramic, Alumina, etc.)	0	1.2	MT/A
Miscellanious waste (Tyre, V belt, Welding rod, etc)	0	0	MT/A

2) From Pollution Control Facilities			
Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler Ash (Coal Fired boiler)	0.25124	331.26	MT/A

3) Quantity Recycled or Re-utilized within the			
unit			
Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	CMD

#### Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

#### 1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	5.560	MT/A	Disposed to MWML
1.6 Spent catalyst and molecular sieves	0.710	MT/A	Disposed to MWML
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	16.78	MT/A	Disposed to MWML
33.2 Contaminated cotton rags or other cleaning materials	0	MT/A	NA
5.2 Wastes or residues containing oil	0.83	MT/A	NA
35.1 Exhaust Air or Gas cleaning residue	77.97	MT/A	Disposed to MWML
35.3 Chemical sludge from waste water treatment	64.37	MT/A	Disposed to MWML
37.3 Concentration or evaporation residues	91.05	MT/A	Disposed to MWML

2) Solid Waste			
Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Waste Paper/ paper bags	48.294	MT/A	100% Sale to authorized party
Corrugated Box	0.0	MT/A	NA

Broken Glass	1.99	MT/A	100% Sale to authorized party
Used decontaminated drums	4471	Nos./Y	100% Sale to authorized party
Plastic/HDPE decontaminated bags	16.156	MT/A	100% Sale to authorized party
Flexi bags	1735	Nos./Y	100% Sale to authorized party
Filter elements	0.0	Nos./Y	NA
Wooden scrap	114.58	MT/A	100% Sale to authorized party
Boiler Ash (Coal Fired boiler)	331.26	MT/A	100% Sale to authorized party
Non-contaminated Plastic	16.098	MT/A	100% Sale to authorized party
Insulation Waste (LRB, PUF, Calcium Silicate, Nirrile rubber, Cerawool, Asbestos Rope, etc)	14.46	MT/A	100% Sale to authorized party
Process Consumables (Silica gel, Ceramic, Alumina, etc.)	1.2	MT/A	100% Sale to authorized party

#### Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
RO Plant Operation for ETP	130	0	0	0	45	0

#### Part-H

Additional measures/investment proposal for env	vironmental protection abatement of polluti	ion, prevention of pollution.
[A] Investment made during the period of Environ	nmental	
Statement		
Detail of measures for Environmental Protection	Environmental Protection Measures	n Capital Investment (Lacks)
ETP With ZLD SYSTEM	NA	45
[B] Investment Proposed for next Year		
Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Change in use of Fuel from Coal to GAS	FOR BOILER	800

#### Part-I

Any other particulars for improving the quality of the environment.

**Particulars** Planted 55 trees in plant premises

Name & Designation Mr. Seshu, Head Conversion

UAN No: MPCB-ENVIRONMENT_STATEMENT-0000036091

Submitted On:

22-09-2021



Submitted for Year: April 2021 to March 2022

1. Name of the generator/operator of facility Galaxy Surfactants Ltd.

Date of issue

Address of the unit/facility Plot No. V-23, MIDC Taloja and Plot No. 1, Village Chal, Tal. Panvel, Dist.Raigad PIN no:-410208

> Date of validity of consent

Feb 28, 2022

1b. Authorization Number

Format 1.0/CAC/UAN No. 0000085185/CR-2007000092 DATE: 01/07/2020 Jul 1, 2020

2. Name of the authorised person Avinash Shinde

Full address of authorised person Plot No. V-23, MIDC Taloja and Plot No. 1, Village Chal, Tal. Panvel, Dist.Raigad PIN no:-410208

Telephone	Fax	Email
02239215300	02227411702	avinash.shinde@galaxysurfactants.com

3. Production during the year (product wise), wherever applicable

Product Type *	Product Name *	Consented Quantity	Actual Quantity	ИОМ
Chemical ,Petrochemical &Electrochemical	Anionic surfactants (on 100% AM basis) such as Fatty Alcohol Ether Sulphate etc.	85680.0000	63166	MT/A
Chemical ,Petrochemical &Electrochemical	Ethylene Oxide Condensate	60000.0000	29152	MT/A
Chemical ,Petrochemical &Electrochemical	Cationic Surfactants (on 100% AM basis) such as Betaine, Quaternary Ammonium Salts etc.	18240.0000	5662	MT/A
Chemical ,Petrochemical &Electrochemical	Sulphosuccinates	720.0000	00	MT/A
Chemical ,Petrochemical &Electrochemical	Surfactant Blends (on 100% AM basis) such as Syndet Soap- Granules/ Noodles, Sparkle Series etc.	15840.0000	1442	MT/A
Chemical ,Petrochemical &Electrochemical	Fatty Acid Esters, Fatty Alkanol Amides and Esterquats	20400.0000	5405	MT/A
Chemical ,Petrochemical &Electrochemical	Concentrated Sulphuric Acid (By Product)	1584.0000	670	MT/A
Chemical ,Petrochemical &Electrochemical	Sodium Sulphate 20-25% solution, Solids 37.5 MT/M (By Product)	2160.0000	832	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
1.6 Spent catalyst and molecular sieves	Spent Catalyst and molecular sieves	6.000	2.42	MTA
5.1 Used or spent oil	Used or Spent Oil	6.000	5.04	MTA
5.2 Wastes or residues containing oil	Wastes or Residues containing Oil	1.000	3.73	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	24.000	13.03	МТА
33.2 Contaminated cotton rags or other cleaning materials	Contaminated cotton rags or other cleaning materials	1.000	0.11	МТА
37.2 Ash from incinerator and flue gas cleaning residue	Flue gas cleaning Residue*	98.400	82.71	МТА
35.3 Chemical sludge from waste water treatment	Chemical Sludge from waste treatment plant	108.000	71.36	МТА
37.3 Concentration or evaporation residues	MEE Solid Waste	180.000	75.77	МТА
2. Quantity dispatched category wise.				
<b>Type of Waste</b> 1.6 Spent catalyst and molecular sieves	<b>Quantity of waste</b> 2.42	<b>UOM</b> MTA	<b>Dispatched to</b> Disposal Facility	<b>Facility Name</b> Mumbai Waste Management Ltd.
5.1 Used or spent oil	5.04	МТА	Disposal Facility	Mumbai Waste Management Ltd.
5.2 Wastes or residues containing oil	3.73	МТА	Disposal Facility	Mumbai Waste Management Ltd.
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	13.03	МТА	Disposal Facility	Mumbai Waste Management Ltd.
33.2 Contaminated cotton rags or other cleaning materials	0.11	МТА	Disposal Facility	Mumbai Waste Management Ltd.
37.2 Ash from incinerator and flue gas cleaning residue	82.71	МТА	Disposal Facility	Mumbai Waste Management Ltd.
35.3 Chemical sludge from waste water treatment	71.36	МТА	Disposal Facility	Mumbai Waste Management Ltd.
37.3 Concentration or evaporation residues	75.77	МТА	Disposal Facility	Mumbai Waste Management Ltd.
3. Quantity Utilised in-house, If any				
Type of Waste	Name of Waste	Quantity of Waste	UOM	
	NA	00	MTA	
4. Quantity in storage at the end of the	e year			
Type of Waste	Name of Waste	Quantity of Waste	иом	
	NA	00	MTA	

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

1.Total Quantity received	UOM	State Name
NA	KL/Anum	Maharashtra
2. Quantity in stock at the beginning of the year	UOM	

NA	KL/Anum
<i>3. Quantity treated</i>	<b>UOM</b>
NA	KL/Anum
4. Quantity disposed in landfills as such and after treatment	
Direct landfilling	<b>UOM</b>
NA	KL/Anum
<b>Landfill after treatment</b>	<b>UOM</b>
NA	KL/Anum
<b>5. Quantity incinerated (if applicable)</b>	<b>UOM</b>
NA	KL/Anum
<b>6. Quantiry processed other than specified above</b>	<b>UOM</b>
NA	KL/Anum
<b>7. Quantity in storage at the end of the year.</b>	<b>UOM</b>
NA	KL/Anum

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

#### 1. Quantity of waste received during the year

Waste Name/Category	Country Name	State Name	Quantity of waste rece domestic sources	ived from	Quantity of waste imported(If any)	Units
NA	India	Maharashtra	NA		NA	KL/Anum
2. Quantity in stock at the	beginning of the	year				
<b>Waste Name/Category</b> NA			<b>Quantity</b> NA	<b>и</b> к	<b>OM</b> L/Anum	
3. Quantity of waste recyc	led or co-procese	d or used				
<b>Name of Waste</b> NA	<b>ty</b> NA	pe of Waste	<b>Qua</b> NA	ntity	<b>UOM</b> KL/Anum	
4. Quantity of products dis	spatched (wherev	er applicable)				
<b>Name of product</b> NA		<b>Quantity</b> NA	<b>UOM</b> KL/Anum			
5. Total quantity of waste	generated					
<b>Waste name/category</b> NA		<b>quantity</b> NA	<b>UOM</b> KL/Anum			
6. Total quantity of waste	disposed					
<b>Waste name/category</b> NA		<b>quantity</b> NA	<b>UOM</b> KL/Anum			
7. Total quantity of waste	re-exported (If Ap	plicable)				
<b>Waste name/category</b> NA		<b>quantity</b> NA	<b>UOM</b> KL/Anum			
8. Quantity in storage at t	he end of the yea	r				
<b>Waste name/category</b> NA		<b>quantity</b> NA	<b>UOM</b> KL/Anum			
Personal Details						
<b>Place</b> Taloja		<b>Date</b> 2022-06-29	<b>Designation</b> General Mana	iger - SHE/li	nstrumentation Process	