

APL/EHS/2024-25/15

GPCB ID: 18989

31st December, 2024

To,
Deputy Director General of Forests (C)
Ministry of Environment, Forest & Climate Change
Integrated Regional Office, Gandhinagar,
A-Wing-407 & 409, Aranya Bhawan, Near CH-3 Circle,
Sector-10A, Gandhinagar – 382010

Subject: Half Yearly EC Compliance Report (EC No. SEIAA/GUJ/EC/5(f)/857/2020 dated 07th July 2020) Submission for the Period of April-24 to September-24.

Dear Sir,

This has reference to above mentioned subject. In continuation, we would like to inform you that we are submitting EC Compliance for your ready reference for the period of April-24 to September-24.

Kindly acknowledge the same.

Thanking you,

Yours faithfully



R S Joshi
DGM-Environment
API Division-II, Alembic Pharmaceuticals Ltd.

ALEMBIC PHARMACEUTICALS LIMITED
API UNIT - II, PANELAV
CIN-L24230GJ2010PLC061123

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Alembic Pharmaceuticals Ltd. (API Division –II) Panelav, Halol, Panchmahal

EC No. SEIAA/GUJ /EC /5(f) / 857 / 2020 dated 07th July 2020

EC Specific & General Condition Compliance for the Period of (Apr-24 to Sep-24)

S. No	Conditions of Environment Clearance	Status of Compliance
A	Conditions	
A-1	Specific Conditions	
1.	PP shall comply conditions of any subsequent amendment or expansion or change in product mix , after the 30th September 2020 , considered as per the provisions in force at that time as mentioned in the Notification vide S.O. 1223 (E) dated 27/03/2020.	Noted.
2.	PP shall carry out proposed project activities in respect of Active Pharmaceutical Ingredients (API) as per the amended EIA Notification vide S.O. 1223 (E) dated 27/03/2020 and any subsequent amendments.	Proposed project started as per EIA notification vide S.O. 1223 (E) dated 27/03/2020
3.	PP shall submit six monthly compliance report of Environmental Clearance without fail and the same shall be critically assessed by the regulatory authority.	Six monthly compliance being submitted to GPCB and SEIAA
4.	PP shall use natural gas for utilities preferably but in case use of other fuel, PP shall put properly designed APCM with regular, periodic stack monitoring system.	Will be complied at the time of expansion. Presently we are using our existing facility that is equipped with APCM
5.	Unit shall provide adequate treatment to effluent before feeding it to MEE in such a way that no pollutant get air borne during evaporation to avoid adverse impact on Human Health & Environment.	Adequate treatment is being done in closed tank before feeding in to MEE. This is vacuum operated system, hence no air pollution is taken place
6.	Close loop solvent recovery system with adequate condenser system shall be provided to recover solvent vapors in such a manner that recovery shall be maximum and recovered solvent shall be reused in the process within premises.	Existing solvent recovery has adequate condenser and close loop system for maximum solvent recovery. Recovered solvent being used in process as per product requirement.
7.	Leak Detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines. LDAR Logbooks shall be maintained.	LDAR system will be prepared and accordingly maintain the logbook.
8.	Complete Zero Liquid Discharge (ZLD) status shall be maintained all the time and there shall be no drainage connection from the premises.	Existing facility is equipped with ZLD plant and always maintain zero liquid discharge condition.
9.	Unit shall explore the possibilities for environment friendly methods for disposal of Incinerable & land fillable wastes before sending to CHWIF / TSDF sites respectively.	We are also having agreement with Cement plant to send incinerable waste for co-processing. Only landfill waste is being sent to TSDF site.
10.	All measures shall be taken to prevent soil and ground water contamination.	We have provided double mechanical seal in all transferring pumps and gland tray arrangement to control pump leakage. Spill control kits are also available at site for spillage/leakage and avoid soil and ground water contamination
11.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G. S. R. No. 826 (E) dated 16th November, 2009 shall be complied with.	We are conducting Monthly Ambient air monitoring at 4 locations with NABL approved laboratory and found air quality emission within limit. Ambient Air Monitoring Report is attached as Annexure-1 (Apr-24 to Sep-24)
12.	National Emission Standards for Organic Chemicals Manufacturing industry, issued by the Ministry vide G. S. R.	Applicable Condition of National Emission Standards for Organic Chemicals Manufacturing Industry, G.S.R. 608(E)

S. No	Conditions of Environment Clearance	Status of Compliance
	608 (E) dated 21/07/2010 and amended from time to time shall be followed.	dated 21st July, 2010 are followed. The unit is zero liquid discharge (ZLD) & the recycled water is consumed in utilities. Kindly note that we do not have in-house incinerator. Our storm drains are totally segregated from effluent transferring system. The effluent transferring system is through pumping mechanism only.
13.	Unit shall have to adhere to the prevailing area specific policies of GPCB with respect to the discharge of pollutants, and shall carry out the project development to accordance & consistence with the same.	Existing unit is complying pollutant discharge norms.
14.	The project proponent must strictly adhere to the stipulations made by the Gujarat Pollution Control Board , State Government and / or any other statutory authority	Will adhere all the stipulated conditions which are made by Gujarat Pollution Control Board , State Government and / or any other statutory authority
15.	Unit shall install CEMS in line to GPCB directions to all SPCB vide letter no, B-29016/04/06PCI-1/5401 dated 05.02.2014 for effluent discharge and air emission as per pollutants discharge/emission from respective project and an arrangement shall also be done for reflecting the online monitoring results on the company's server, which can be assessable by the GPCB / CPCB on real time basis. [Whichever (Air emission & Effluent discharge) is applicable as per the prevailing guidelines of GPCB/CPCB].	We have installed CEMS at our existing 3 MT Boiler stack for real time emission monitoring. System will also be connected very soon with GPCB/CPCB server as CEMS has some hardware problem which is being resolved. Real Time effluent monitoring system is also in place and connected with GPCB/CPCB server CEMS Photograph is attached as Annexure-2
16.	Storm water shall not be allowed to mix with scrubber water and floor washings.	Strom water drain are constructed only for rain water. No line connectivity is made with scrubber and floor washing water.
17.	Storm water shall be channelized through separate drains passing through a HDPE lined pit having holding capacity of 10 minutes (hourly, average) of rainfall.	Existing plant is having well designed storm drain.
18.	<p>Safety:</p> <p>a. PP shall obtain PESO permission for the storage and handling of hazardous chemicals. (If applicable)</p> <p>b. Flame proof electrical fittings shall be provided in the plant premise, wherever applicable.</p> <p>c. Unit shall provide double earthling to solvent storage tanks / area.</p> <p>d. Unit shall never store drum/barrels/carboys of incompatible material/chemical together.</p> <p>e. Unit shall provide safety valve and rapture disc, as well as auto dump or auto quench/suppress system for nitraton vessel safety.</p> <p>f. Unit shall Store, Bromine bottle in cool dry separate area, out of direct sunlight.</p> <p>g. Unit shall provide water sprinkler and bund / dyke wall to ammonia storage tank.</p> <p>h. (1) Unit shall provide effective fire hydrants, water monitors & foam application system at solvent storage tank farm area. (2) Unit shall provide adequate safety system such as water sprinklers, water curtains, foam pouring system etc. to restrict cascade fire emergency in solvent tank farm.</p>	<ol style="list-style-type: none"> 1) Existing plant is having valid license from PESO 2) Exiting plant is having flame proof fitting 3) All solvent storage tanks are having double earthling 4) Chemicals are being stored as per their compatibility chart. 5) Existing plants are having such safety features reactors/vessels i.e. rapture disc and auto dump tank 6) Bromine bottles are kept in dedicated storage area 7) Existing facility doesn't have any liquid storage tank 8) Existing solvent storage area is having well maintain fire hydrant system with foam monitor 9) Existing solvent storage area is having water sprinkler system for emergency use

S. No	Conditions of Environment Clearance	Status of Compliance
A-2	WATER:	
19.	Total water requirement for the project shall not exceed 1689 KLD, unit shall reuse/recycle 889 KLD. Hence, fresh water requirement shall not exceed 800 KLD and it shall be met through Narmada Supply and Ground water. Prior permission from the concerned authority shall be obtained for withdrawal of water.	Presently we are complying our existing water and waste water limit i.e. 50 kl/day fresh water and 45 kl/day waste water. Once project will commence, will comply the qty. of water and waste water as per this EC.
20.	The industrial effluent generation from the project shall not exceed 980 KLD.	Presently we are generating waste water as per existing consented limit. I.e. 45 kl/day. Once new project will start will comply the same limit.
21.	The entire industrial effluent (980 KLD) shall be segregated as mentioned below into two different stream :	Existing unit is complying waste water segregation as per existing consent. However we will comply this qty. after project commencement
	<p>High COD (Process) :</p> <p>a. Entire high COD effluent generated (236 KLD) after proposed expansion from process shall be treated in stripper, Stripper bottom (202 KLD) shall be treated in MEE - 1 while stripped solvent (22 KLD) shall be recovered by in-house distillation or sold to end-users under Rule - 9 of the Hazardous & Other Wastes Rules - 2016 and residue generated (12 KLD) shall be sent for co-processing or incineration at approved CHWIF.</p> <p>b. (202 KLD) of stripper bottom shall be treated in in-house MEE - 1, Condensate of MEE - 1 (161 KLD) shall be sent to ETP for further treatment along with low COD effluent while concentrate of MEE - 1 (41 KLD) shall be sent for further treatment in ATFD - 1.</p> <p>c. (41 KLD) concentrate of MEE - 1 shall be treated in ATFD - 1, Condensate of ATFD - 1 (21 KLD) shall be sent to ETP for further treatment along with low COD effluent while salt generated (16 MT) shall be disposed at approved TSDF.</p>	<ul style="list-style-type: none"> ➤ Will comply at the time of project expansion and commencement. ➤ Will comply at the time of project expansion and commencement. ➤ Will comply at the time of project expansion and commencement.
	Low COD :	
	<p>a. Entire Low COD effluent generated (744 KLD) after proposed expansion from Low COD process (354 KLD), RO/DM/Softener Reject (104 KLD), Utility Mix waste effluent (144 KLD), boiler blow down (36 KLD), cooling tower blow down (44 KLD), scrubber (50 KLD) and cooling tower blow down of MEE-1 & 2 (12 KLD) shall be treated in in-house ETP consisting of primary, secondary and tertiary treatment unit.</p> <p>b. MEE-1 Condensate (161 KLD) and ATFD-1 Condensate (21 KLD) along with above mentioned low concentration effluent (744 KLD) shall be treated in ETP consists of primary, secondary and tertiary treatment units.</p> <p>c. Treated effluent (833 KLD) shall be sent to further treatment in RO - 1 while sludge generated (93 MT) shall be sent for Co-processing or disposed at approved TSDF.</p>	<ul style="list-style-type: none"> ➤ Will comply at the time of project expansion and commencement. ➤ Will comply at the time of project expansion and commencement. ➤ Will comply at the time of project expansion and commencement. ➤ Will comply at the time of project expansion and commencement.

S. No	Conditions of Environment Clearance	Status of Compliance
	<p>d. Entire effluent generated (926 KLD) after proposed expansion from process (354 KLD), MEE-1 Condensate (161 KLD), ATFD-1 Condensate (21 KLD), RO/DM/Softener Reject (104 KLD), Utility Mix waste effluent (144 KLD), boiler blow down (36 KLD), cooling tower blow down (44 KLD), scrubber (50 KLD) and cooling tower blow down of MEE-1 & 2 (12 KLD) shall be treated in in-house ETP consisting of primary, secondary and tertiary treatment unit, treated effluent (833 KLD) shall be sent to further treatment in RO-1 while sludge generated (93 MT) shall be sent for co-processing or disposed at approved TSDF.</p> <p>e. (833 KLD) of ETP treated effluent shall be treated in RO Permeate of RO1 (583 KLD) shall be reused/recycled in boiler/cooling tower/scrubber while Reject of RO-1 (250 KLD) shall be sent for further treatment in RO-2.</p> <p>f. (250 KLD) Reject of RO-1 shall be treated in RO-2, Permeate of RO-2 (125 KLD) shall be reused/recycled in boiler/cooling tower/scrubber while Reject of RO-2 (125 KLD) shall be sent for further treatment in MEE-2.</p> <p>g. (125 KLD) Reject of RO-2 shall be treated in MEE-2, Condensate of MEE-2 (106 KLD) shall be used in cooling tower of MEE-2 while concentrate of MEE-2 (19 KLD) shall be sent for further treatment in ATFD-2.</p> <p>h. (19 KLD) concentrate of MEE-2 shall be treated in ATFD-2. Condensate of ATFD-2 (10 KLD) shall be used in cooling tower of MEE-2 while salt generated (7MT) shall be disposed at approved TSDF.</p> <p>i. (12 KLD) Cooling tower blow down generated from cooling tower of MEE-1 & 2 shall be sent for further treatment in in-house ETP.</p>	<ul style="list-style-type: none"> ➤ Will comply at the time of project expansion and commencement ➤ Will comply at the time of project expansion and commencement ➤ Will comply at the time of project expansion and commencement. ➤ Will comply at the time of project expansion and commencement. ➤ Will comply at the time of project expansion and commencement.
22.	Domestic wastewater generation shall not exceed 65 KLD after proposed expansion and it shall be treated in in-house STP within premises, STP treated sewage shall be used for gardening/plantation within premises.	Presently we are generating 15 kl/day sewage effluent and being treated by own STP within premises as per our existing condition of consent till further expansion.
23.	The unit shall provide metering facility at the inlet and outlets of Stripper, MEE-1 & 2, ATFD-1 & 2, RO-1 & 2, and STP and maintain records for the same.	Existing plant is having Metering system at the inlet and outlet of Stripper, MEE, ATFD, RO and STP.
24.	Proper logbooks of Stripper, MEE-1 & 2, ATFD-1 & 2, RO-1 & 2, STP; chemical consumption in Effluent treatment; quantity & quality of effluent fed for MEE, ATFD, RO, power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.	Proper logbook of stripper, MEE, ATFD & RO being maintained with chemical consumption. All details on monthly basis being updated on XGN.

25.

Unit shall not exceed fuel consumption of steam boiler thermic fluid and DG sets as mentioned below

Sr. no.	Source of emission With Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emissions i.e. Air Pollutants	Air Pollution Control Measures (APCM)
Existing						
1	Boiler 1 (2 MT/Hr)	31.5	LDO	2.8	SPM SO2 Nox	Adequate stack height
2	Boiler 2 (3 MT/Hr)	31.5	Coal	14.4	SPM SO2 Nox	Bag filter
3	DG Set (600 KVA)	15	HSD	Will be removed	SPM SO2 Nox	-
Proposed						
1	Thermic Fluid Heater-1 (2 Lac Kcal/Hr)	30	LDO	2.4	SPM SO2 Nox	Adequate stack height
2	Thermic Fluid Heater-2 (2 Lac Kcal/Hr)	30	LDO	2.4	SPM SO2 Nox	Adequate stack height
3	Boiler-3 (10 MT/Hr- Solid fire)	30	Coal+Briquette	36	SPM SO2 Nox	Electrostatic precipitator (ESP) +Wet scrubber
4	Boiler-4 (10 MT/Hr- Solid fire)	30	Coal+Briquette	36	SPM SO2 Nox	Electrostatic precipitator (ESP) +Wet scrubber
5	Boiler-5 (10 MT/Hr- Solid fire)	30	Coal+Briquette	36	SPM SO2 Nox	Electrostatic precipitator (ESP) +Wet scrubber
6	DG Set-1 (2500 KVA)	30	HSD	12	SPM SO2 Nox	Adequate stack height
7	DG Set-2 (2500 KVA)	30	HSD	12	SPM SO2 Nox	Adequate stack height
8	DG Set-3 (2500 KVA)	30	HSD	12	SPM SO2 Nox	Adequate stack height
9	DG Set-4 (2500 KVA)	30	HSD	12	SPM SO2 Nox	Adequate stack height
10	DG Set-5 (2500 KVA)	30	HSD	12	SPM SO2 Nox	Adequate stack height
11	DG Set-6 (2500 KVA)	30	HSD	12	SPM SO2 Nox	Adequate stack height

➤ Being complied

1. Will be complied at the time of project expansion and commencement.

26.	Unit shall provide adequate APMC with flue gas generation sources mentioned above.	Will be complied at the time of project expansion and commencement.																																								
27.	<p>Unit shall provide adequate APMC with process gas generation sources mentioned below.</p> <table border="1" data-bbox="211 277 1240 823"> <thead> <tr> <th data-bbox="211 277 282 407">Sr. no.</th> <th data-bbox="289 277 542 407">Specific Source of emission (Name of the Product & Process)</th> <th data-bbox="548 277 721 407">Type of emission</th> <th data-bbox="727 277 945 407">Stack/Vent Height (meter)</th> <th data-bbox="951 277 1240 407">Air Pollution Control Measures (APCM)</th> </tr> </thead> <tbody> <tr> <td colspan="5" data-bbox="211 415 1240 441" style="text-align: center;">Existing</td> </tr> <tr> <td data-bbox="211 449 282 508">1</td> <td data-bbox="289 449 542 508">Scrubber for MEM/TBTC plant</td> <td data-bbox="548 449 721 508">HCl, SO₂, Nox</td> <td data-bbox="727 449 945 508">11</td> <td data-bbox="951 449 1240 508">Two stage Alkali scrubber</td> </tr> <tr> <td data-bbox="211 516 282 575">2</td> <td data-bbox="289 516 542 575">Scrubber for Sartan product</td> <td data-bbox="548 516 721 575">HCl, SO₂, Nox</td> <td data-bbox="727 516 945 575">31</td> <td data-bbox="951 516 1240 575">Two stage Alkali scrubber</td> </tr> <tr> <td data-bbox="211 583 282 642">3</td> <td data-bbox="289 583 542 642">Scrubber for Sartan product</td> <td data-bbox="548 583 721 642">HCl, SO₂, Nox</td> <td data-bbox="727 583 945 642">15</td> <td data-bbox="951 583 1240 642">Two stage Alkali scrubber</td> </tr> <tr> <td colspan="5" data-bbox="211 651 1240 676" style="text-align: center;">Proposed</td> </tr> <tr> <td data-bbox="211 684 282 743">1</td> <td data-bbox="289 684 542 743">Scrubber for Alkaline Emission (14 Nos.)</td> <td data-bbox="548 684 721 743">NH₃</td> <td data-bbox="727 684 945 743">20</td> <td data-bbox="951 684 1240 743">Two stage water/ Acid scrubber</td> </tr> <tr> <td data-bbox="211 751 282 810">2</td> <td data-bbox="289 751 542 810">Scrubber Acidic Emission (15 Nos.)</td> <td data-bbox="548 751 721 810">HCl, SO₂, Nox</td> <td data-bbox="727 751 945 810">20</td> <td data-bbox="951 751 1240 810">Two stage Alkali scrubber</td> </tr> </tbody> </table>	Sr. no.	Specific Source of emission (Name of the Product & Process)	Type of emission	Stack/Vent Height (meter)	Air Pollution Control Measures (APCM)	Existing					1	Scrubber for MEM/TBTC plant	HCl, SO ₂ , Nox	11	Two stage Alkali scrubber	2	Scrubber for Sartan product	HCl, SO ₂ , Nox	31	Two stage Alkali scrubber	3	Scrubber for Sartan product	HCl, SO ₂ , Nox	15	Two stage Alkali scrubber	Proposed					1	Scrubber for Alkaline Emission (14 Nos.)	NH ₃	20	Two stage water/ Acid scrubber	2	Scrubber Acidic Emission (15 Nos.)	HCl, SO ₂ , Nox	20	Two stage Alkali scrubber	<p>➤ Being Complied</p> <p>2. Will be complied at the time of project expansion and commencement.</p>
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28.	<p>The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission:</p> <ul style="list-style-type: none"> • Internal roads shall be either concreted or asphalted or paved property to reduce the fugitive emission during vehicular movement. • Air borne dust shall be controlled with water sprinklers at suitable locations in the plant. • A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission. 	<p>Fugitive emission is being monitored as per DISH requirement and confirming prescribed norms.</p> <ol style="list-style-type: none"> 1) Existing plant is having RCC roads to control fugitive emission during vehicle movement. 2) Existing plant is having RCC with paved blocks roads inside the plant. Hence no requirement for sprinkler 3) Green belt is already exist at site as per existing plants. However another green belt area will be developed at the time of expansion. Existing green belt photographs attached as Annexure-3. 																																								
29.	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.	Work place are VOC monitoring is carried out in the work zone area and attached as Annexure-4.																																								
30.	<p>For control of fugitive emission, VOCs, following steps shall be followed:</p> <ol style="list-style-type: none"> a) Closed handling and charging system shall be provided for chemicals. b) Reflux condenser shall be provided over Reactors/Vessels. c) Pumps shall be provided with mechanical seals to prevent leakages. d) Air borne dust at all transfers operations/points shall be controlled either by spraying water or providing enclosures. 	<ol style="list-style-type: none"> 1) Existing plant is having closed system for handling and charging of chemical. We will ensure same practice in our proposed expansion. 2) Existing plants reactors and vessels are connected with condensers 3) All transferring pumps are having double mechanical seal to prevent any leakage 4) Plants premises having RCC and paved blocks roads and observe no any fugitive emission inside the plant. However roads being cleaned on regular basis. 																																								

31.	<p>Solvent management shall be carried out as follows :</p> <ul style="list-style-type: none"> ✓ Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapor recovery system. ✓ Reactor shall be connected to adequate chilling system to condensate solvent vapors and reduce solvent losses. ✓ Reactor and solvent handling pump shall have mechanical seals to prevent leakages. ✓ The condensers shall be provided with sufficient HTA and residence time so as to achieve maximum solvent recovery. ✓ Solvents shall be stored in a separate space specified with all safety measures. ✓ Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. ✓ Solvent storage and handling area shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. 	<ol style="list-style-type: none"> 1) Adequate measures have been adopted at site to minimize solvent vapors losses i.e. double condensers. 2) Existing plants reactors are connected with reactors and having chilling/cooling arrangement 3) Reactors solvent handling pumps are designed with double mechanical seal arrangement 4) Sufficient HTA and residing time is consider at the time of designing of condenser. 5) Solvents are being stored in dedicated area with all necessary safety measures. 6) Solvents handling equipment's are well connected with double earthing. 7) Solvent handling and storage area is flame proof and storage tanks are having breather valve to prevent losses.
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32.	<p>Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx, NH3, HCl and VOC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.</p>	<p>Monthly Ambient air monitoring with the parameters of PM10, PM2.5, SO2, NOx, NH3, HCl and VOC is being carried out by NABL approved lab. Air quality level never crossed the specified limit and found always with in limit.</p> <p>Refer attached Annexure-1</p>
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A-4 SOLID/HAZARDOUS WASTE:

33.	All <u>Hazardous waste</u> management shall be taken care as mentioned below.							<p>➤ Being complied as per existing authorization.</p>
Sr. no.	Type/Name of Hazardous waste	Specific Source of generation (Name of the Activity, Product etc.)	Category and Schedule as per HW Rules	Quantity (MT/Annum)			Management of HW	
				Existing	Proposed	Total		
1	Used or spent oil	DG sets and vacuum pumps	Sch-I 5.1	3.6	14.4	18.0	Collected, Stored & Transported by selling it to Authorized recyclers	
2	Waste or residue containing oil, contaminated oily clothes/cotton waste	Mechanical Workshop and process area	Sch-I 5.2	0	5.0	5.0	Collected, Stored & Transported by disposing it CHWIF/ co-Processing	
3	Distillation residues from contaminate	Solvent Recovery/Solvent Storage tank bottom	Sch-I 36.1	28	2132	2160	Collected, Stored & Transported by disposing it	

	d organic solvent						CHWIF/ co-Processing
4	Off-specification products & Online rejected Raw Materials	Warehouse and production	Sch-I 28.4	0	120	120	Collected, Stored & Transported by disposing it CHWIF/Co-Processing Collected, Stored & Transported to authorized TSDF for land filling/Co-processing
5	Chemical Sludge from Waste water treatment	ETP	Sch-I 35.3	297	2763	3060	Collected, Stored & Transported to authorized TSDF for land filling/Co-processing
6	Sludge from wet scrubber	Process vent Scrubber	Sch-I 37.1	12	38	50	Collected, Stored & Transported to authorized TSDF for land filling/Processing
7	ATFD Salts	ATFD Unit(Agitated Thin Film Dryer)	Sch-I 37.3	0	9000	9000	Collected, Stored & Transported to authorized TSDF for land filling/Processing
8	Process waste from plants	Production blocks	Sch-I 28.1	0.36	5.64	6.0	Collected, Stored & Transported by disposing it CHWIF/ co-Processing
9	Filter media such as Filter clothes, bags etc	Production blocks	Sch-I 33.2	3.6	116.4	120	Collected, Stored & Transported by disposing it CHWIF/Co-Processing
10	Empty barrels/container/liners contaminated with hazardous chemicals/wastes	Warehouse and production blocks	Sch-I 33.1	357	643	1000	Collected, Stored & Transported by selling to Authorized Recyclers/ Co-Processing
11	Spent solvents	Solvent Recovery Unit and Production blocks	Sch-I 28.6	700 0	49000	56000	Collected, Stored & Transported by disposing it CHWIF/Co-Processing/in house recovery/sale to authorized recycler
12	Spent Carbon/Hyflow	Production blocks	Sch-I 28.3	145	1355	1500	Collected, Stored & Transported by disposing it CHWIF/Co-Processing

13	Spent Catalyst	Production blocks	Sch-I 28.2	0	100	100	Collected, Stored & Transported by disposing it CHWIF/Co-Processing
14	Oil and grease skimming	Mechanical workshop and ETP	Sch-I 35.4	0	25	25	Collected, Stored & Transported to Recycler/common TSDf/ Co-Processing/ CHWIF

Non-hazardous waste

Sr. No.	Type/Name of Hazardous waste	Specific Source of generation (Name of the Activity, Product etc.)	Category and Schedule as per HW Rules.	Quantity (MT/Annum)			Management of NHW
				Existing	Proposed	Total	
1	Boiler ash/Flue gas cleaning	Boiler House	Non Hazardous	0	1800	1800	Collected, Stored & Transported to authorized TSDf for land filling/Processing Collected, Stored & Transported to Brick or Cement Manufacturer

➤ Being Complied

34.	Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Wastes (Management and Tran's boundary Movement) Rules 2016.	Being complied as per existing authorization.
35.	Unit shall explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of Incinerable & land fillable wastes before sending to CHWIF & TSDf sites respectively.	We are also having agreement with Cement plant to send incinerable waste for co-processing. Only landfill waste is being sent to TSDf site.
A-5	OTHER	
36.	The project proponent shall allocate the separate fund of Rs. 320 Lakhs i.e. 0.5% of the capital investment for the activities in accordance to the MoEFCC's Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF & CC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.	Company will allocate CER fund i.e. 0.5% of proposed capex. Accordingly CER report will be submitted to concern authority.
37.	All the environmental protection measures and safeguards proposed in the Form-1 & PFR submitted by the project proponent and commitments made in their application shall be strictly adhered to in letter and spirit.	Will comply all the environmental protection measures and proposed safeguards in the Form-1 & PFR at the time of expansion and commencement of the project.

B	GENERAL CONDITIONS	
B-1	CONSTRUCTION PHASE	
38.	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	Complied.
39.	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	Complied.
40.	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Complied.
41.	First Aid Box shall be made readily available in adequate quantity at all the times.	Adequate no's of First aid box are available at existing site
42.	The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments. Local bye-laws of concern authority shall be complied In letter and spirit.	Complied.
43.	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.	Day and night level ambient noise is being monitored on monthly basis and found noise level with in limit.
44.	Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	Existing DG set is equipped with acoustic enclosure and conform EPA rule for air and noise emission standard. However same will be ensure in proposed DG sets Ambient Noise Report is attached as Annexure-5 (Apr-24 to Sep-24)
45.	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.	Complied.
46.	All topsoil excavated during construction activity shall be used in horticultural/landscape development within the project site.	Complied.
47.	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed of with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighboring communities.	Complied.
48.	Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.	Complied.
49.	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.	Complied.
50.	Wind-breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be	Complied.


	provided. Individual building within the project site shall also be provided with barricades.	
51.	No uncovered vehicles carrying construction material and waste shall be permitted.	Complied.
52.	No loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured.	Complied.
53.	Roads leading to or at construction site must be paved and blacktopped (i.e. - metallic roads).	Complied.
54.	No excavation of soil shall be came out without adequate dust mitigation measures in place.	Complied.
55.	Dust mitigation measure shall be displayed prominently at the construction site for easy public viewing.	Complied.
56.	Grinding and cutting of building materials in open area shall be prohibited.	Complied.
57.	Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.	Complied.
58.	Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site. (if applicable)	Complied.
B-2	OPERATION PHASE	
B-2.1	WATER	
59.	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	Existing Bore wells are having flow meter for measuring water consumption. Same is also being recorded in log book.
60.	All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	To optimize water consumption, we will explore new technology at the time of expansion. Existing unit is using treated effluent RO water in system.
B-2.2	AIR	
61.	In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed spray dryer & it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.	No spray dryer is exist at site and neither plan in future expansion.
62.	Acoustic enclosure shall be provided to the DG sets (If applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.	Existing DG set 2500 KVA is equipped with acoustic enclosure and complying EPA rules. Noise Monitoring Report is attached as Annexure-5 (Apr-24 to Sep-24).
63.	Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gases emission/Process gas emission.	Existing stack/vent height is calculated as per stack height formula and complying EPA norms.
64.	Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MOEF&CC. At no time, emission level should go beyond the stipulated standards.	At site Flue gas & Process gas emission always confirms stipulated norms and never cross the prescribed limit. Scrubber Emission Report is attached as Annexure-6 (Apr-24 to Sep-24)
65.	All the reactors/vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Existing plant all reactors and vessels are connected with Condenser to control fugitive emission

B-2.3	HAZARDOUS/SOLID WASTE	
66.	The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Tran's boundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/treatment/storage/disposal of hazardous wastes.	Company is disposing waste as per issued GPCB authorization and complying Hazardous and Other Wastes (Management and Tran's boundary Movement) Rules 2016.
67.	Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Hazardous waste is being store in dedicated Hazardous Waste Room and this room is having pucca floor with collection arrangement of leachate.
68.	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)	Site is having agreement with M/s GGEPIL, M/s Geo cleaner LLP for co-processing and M/s SEPL, M/s BEIL for landfill disposal.
69.	Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988 and rules made there under.	Complied.
70.	The design of the Trucks/tankers shall be such that there is no spillage during transportation.	Complied.
71.	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWF.	Send waste for co-processing as per waste characterization.
72.	Management of fly ash (If any) shall be as per the Fly ash Notification 2009 & its amendment time to time and it shall be ensured that there is 100 % utilization of fly ash to be generated from the unit.	Being disposed through Landfill site as a non-hazardous waste.
B-2.4	SAFETY	
73.	The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963.	Factories Act 1948 and the Gujarat Factories Rules 1963 being complied at site. Periodically being verified by concern authority
74.	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to me and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented	No hazardous chemicals being import at site However we are taking all safety measures and approvals as per law.
75.	Main entry and exit shall be separate and clearly marked in the facility.	Marked entry & exit point are available at existing site.
76.	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	Noted. Existing facility is complying this condition.
77.	Storage of flammable chemicals shall be sufficiently away from the production area.	All flammable chemicals are being stored at dedicated place that is away from production block.
78.	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	Fire extinguisher are provided in &out side of the plant.
79.	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic/hazardous chemicals.	All necessary precautions i.e. Risk assessment and HAZOP study of the product have been adopted at site and accordingly mitigation plan also executed to avoid any kind of

		accident during storage and handling of toxic/hazardous chemicals.
80.	All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.	Noted and being complied.
81.	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.	We are committed to execute all environment protection measures, risk mitigation plans and safeguards at the time of project expansion, which we have mentioned in the Risk Assessment report.
82.	Only flame proof electrical fittings shall be provided in the plant premises.	Complied. Existing plant is having flame proof electrical fittings.
83.	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks/containers instead of one single large capacity tank/containers.	Hazardous chemicals are being stored as per threshold limit.
84.	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.	All the storage tanks having overflow line and adequate dyke arrangement to control any leakage.
85.	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.	Chemicals handling and charging being carried out in closed system by pumping and vacuum for minimal human exposure.
86.	Tie up shall be done with nearby health care unit/doctor for seeking immediate medical attention in the case of emergency.	We have dedicated professional doctor's staff at site that is available round the clock. However we have emergency medical attention contract with Nearby Hospital at Halol.
87.	Personal Protective Equipment (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	Personal Protective Equipment (PPE'S) being provided to all worker and staff and dedicated safety team is ensuring it's compliance round the clock by taking safety observation round
88.	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	First Aid Box and required Antidotes for the chemicals used in the unit are available at OHC in adequate quantity.
89.	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	Safety training being imparted to all workers as per specialized safety training module and routine safety training is also giving to workers at the beginning of the shift as a safety talk for 15 Minute before starting job.
90.	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.	Workers and Employee Pre-employment and six Monthly Medical check is being carried out and maintained health record accordingly.
91.	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	Motor Vehicle Act & Rules complied while transporting chemicals.
92.	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Preventive and mitigation measures have been adopted as per chemicals storage and associated risk.
93.	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	Existing site is having valid PESO license. For expansion, we will apply new application as per storage requirement.
B-2.5	NOISE	
94.	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods , silencers , enclosures etc. on all sources of noise generation . The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	Engineering controls i.e. preventive maintenance of equipment's /low vibration sound proof compressor and acoustic enclosure exist at site and control Noise level within limit in and outside of the plant.

B-2.6	CLEANER PRODUCTION AND WASTE MINIMISATION	
95.	The unit shall undertake the Cleaner Production Assessment study through a reputed institute/organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	Site is manufacturing old products as per old EC and consent.
96.	The company shall undertake various waste minimization measures such as : a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as raw materials substitutes. c. Use of automated and close filling to minimize spillages. d. Use of dose feed system into batch reactors. e. Venting equipment through vapour recovery system. f. Use of high pressure hoses for cleaning to reduce wastewater generation. g. Recycling of washes to subsequent batches. h. Recycling of steam condensate. i. Sweeping/mopping of floor instead of floor washing to avoid effluent generation. j. Regular preventive maintenance for avoiding leakage, spillage etc.	<ol style="list-style-type: none"> 1) RM being consumed as per standard operating procedures and being recorded in BPR 2) No by product is being generated from process. Only solvent is generated that is being reused in process and sold to recycler 3) Fix line being used for transferring 4) Reactor vents are connected with condensers 5) Only batch to batch cleaning is done with solvent. No waste water is generated. Floors are cleaned by moping 6) Being done as per product requirement 7) Steam condensate being recycled in boiler 8) Implemented floor mopping practice at all plants 9) Site is having preventive maintenance schedule for all equipment
B-2.7	GREEN BELT AND OTHER PLANTATION	
97.	The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC/GPCB and submit an action plan of plantation for next three years to the GPCB.	Site is maintaining green belt as per existing EC and consent. However we are developing new green belt area.
98.	Drip irrigation/low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.	Being used.
B-2.8	OTHER CONDITION	
99.	Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA.III dated 09/08/2018 for Pharmaceutical and Chemical industries mentioned at (Sr. no. XX).	Complied.
100.	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, the Construction and Demolition Waste Management Rules, 2016 and the Plastics Waste Management Rules, 2016 shall be followed.	Being Complied.
101.	Rain water harvesting (Off-site) shall be undertaken to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter. (Applicable for units consuming ground water \geq 50 KLD in line with the prevailing guidelines of SPCB).	Our existing water consumption is 50 kl/day and recharging rain water through 4 no's of recharge well (off-site) after pre filtration i.e. sedimentation.

102.	The unit shall join and participate financially and technically for any common environmental facility/infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt. /GIDC.	Agreed.
103.	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.	We are exploring possibilities for solar energy and taking few steps towards this i.e. Solar power purchase agreement with state government.
104.	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.	Earmarked area will be developed only for green belt. Greenbelt area will not be altered neither land use will be changed .
105.	All the commitments/undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	Under taking will be complied.
106.	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.	Company is in compliance of MOEF conditions and agreed for SEAC and SEIAA additional condition compliance
107.	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	Agreed.
108.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.	Agreed.
109.	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	Ensuring no spillage during chemical transfer and garland tray arrangement on pumps to avoid any spillage /mixing with storm water drain. Garland Pond is also available at existing site.
110.	Pucca flooring/impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Company premises is having RCC flooring to avoid any kind of soil contamination while transferring chemicals.
111.	Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.	Leakage control measures adopted at site.
112.	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Expansion will be done as per issued EC by SEIAA.
113.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Trans boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Agreed.
114.	The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014 " and its amendments from time to time in a letter and spirit.	As we have taken fresh EC for the purposes of expansion therefore few conditions will be comply in later stage after completion of project. As far as CSR activity is concern, we have corporate CSR policy and being done CSR activity as a group of companies.
115.	The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the	We are taking environment protection and risk mitigation measures in line with submitted EMP.

	EMP report and Risk Assessment study report as well as proposed by project proponent.	
116.	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	We are complying conditions in our existing unit.
117.	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	We have publish granted EC information in to local and English language newspapers those are widely circulated in Gujarat region. 
118.	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.	Last report submitted on 11 th July, 2024.
119.	Concealing factual data or submission of false fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed.
120.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Agreed.
121.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Agreed.
122.	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.	Agreed.
123.	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied.
124.	This environmental clearance is valid for seven years from the date of issue.	Agreed.
125.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
126.	Submission of any false or misleading Information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.	Agreed.



TEST REPORT (AMBIENT AIR MONITORING)


Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24250618
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	02/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	25/04/2024
Station:	Boiler Area	Receipt Date:	24/04/2024
Sampling Duration:	24 Hours	Receipt Time:	18:50
Field Observation:	Wind Direction: SW→NE, Wind Speed: 6 km/h, Temperature: 32.7°C, Humidity: 41%	Received By:	Jay
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	23/04/2024
Applicable Standard:	NAAQS:2009	Collection Time:	13:40
		Collected By:	Manu Parmar

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	54.06	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	28.25	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	11.02	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	14.16	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge) 	 Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)
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Note :

- The above tests are accredited by NABL.
- The results refer only to the tested samples(s) and applicable parameters(s)
- Sample(s) will be destroyed after 10 days from the report date unless otherwise specified.
- This report is not to be reproduced wholly or in part without written approval from Prakruti Environmental Engineers.
- Prakruti Environmental Engineers is not responsible for the authenticity of the sample(s) not collected by our Environmental Laboratory.
- Measurement Uncertainty is not mentioned in the test report and the same can be communicated to the customer on request.

End of Report



TC-11806

Prakruti Environmental Engineers

"PRAKRUTI" 3rd & 4th Floor, Next to Sarsawani Distributory Canal,
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APR-24



PRAKRUTI

TEST REPORT (AMBIENT AIR MONITORING)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24250616
Location:	2002-API-2, Vill.: Panielav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	02/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	25/04/2024
Station:	Main Gate Area	Receipt Date:	24/04/2024
Sampling Duration:	24 Hours	Receipt Time:	18:50
Field Observation:	Wind Direction: SW→NE, Wind Speed: 6 km/h, Temperature: 32.7°C, Humidity: 41%	Received By:	Jay
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	23/04/2024
Applicable Standard:	NAAQS:2009	Collection Time:	13:20
		Collected By:	Manu Parmar

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	57.36	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	32.58	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	11.73	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	13.52	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

Note :

- The above tests are accredited by NABL.
- The results refer only to the tested samples(s) and applicable parameters(s)
- Sample(s) will be destroyed after 10 days from the report date unless otherwise specified.
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End of Report



TC-11806

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Email: info@prakruti.co.in • Web: www.prakruti.co.in



TEST REPORT (AMBIENT AIR MONITORING)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24250617
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	02/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	25/04/2024
Station:	Near Utility	Receipt Date:	24/04/2024
Sampling Duration:	24 Hours	Receipt Time:	18:50
Field Observation:	Wind Direction: SW→NE, Wind Speed: 6 km/h, Temperature: 32.7°C, Humidity: 41%	Received By:	Jay
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	23/04/2024
Applicable Standard:	NAAQS:2009	Collection Time:	13:30
		Collected By:	Manu Parmar

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	53.62	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	29.45	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	10.58	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	13.94	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge)		Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)	
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Note :

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End of Report



TC-11806

Prakruti Environmental Engineers

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TEST REPORT (AMBIENT AIR MONITORING)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24250619
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	02/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	25/04/2024
Station:	Near Raw Material Ware House	Receipt Date:	24/04/2024
Sampling Duration:	24 Hours	Receipt Time:	18:50
Field Observation:	Wind Direction: SW→NE, Wind Speed: 6 km/h, Temperature: 32.7°C, Humidity: 41%	Received By:	Jay
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	23/04/2024
Applicable Standard:	NAAQS:2009	Collection Time:	13:50
		Collected By:	Manu Parmar

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	59.62	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	33.47	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	12.62	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	14.97	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

Note :

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TC-11806

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TEST REPORT (AMBIENT AIR MONITORING)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251358
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	23/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	16/05/2024
Station:	Boiler Area	Receipt Date:	15/05/2024
Sampling Duration:	24 Hours	Receipt Time:	18:35
Field Observation:	Wind Direction: SE→NW, Wind Speed: 6 km/h, Temperature: 33.4°C, Humidity: 41%	Received By:	Jay
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	14/05/2024
Applicable Standard:	NAAQS:2009	Collection Time:	15:00
		Collected By:	Nikul

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	57.18	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	31.42	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	10.26	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	11.89	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

Note :

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TC-11806

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May - 24



PRAKRUTI

**TEST REPORT
(AMBIENT AIR MONITORING)**

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251356
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	23/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	16/05/2024
Station:	Main Gate Area	Receipt Date:	15/05/2024
Sampling Duration:	24 Hours	Receipt Time:	18:35
Field Observation:	Wind Direction: SE→NW, Wind Speed: 6 km/h, Temperature: 33.4°C, Humidity: 41%	Received By:	Jay
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	14/05/2024
Applicable Standard:	NAAQS:2009	Collection Time:	14:30
		Collected By:	Nikul

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	63.56	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	36.42	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	12.68	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	13.54	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge)	Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)
--	--

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TC-11806

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TEST REPORT (AMBIENT AIR MONITORING)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251357
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	23/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	16/05/2024
Station:	Near Utility	Receipt Date:	15/05/2024
Sampling Duration:	24 Hours	Receipt Time:	18:35
Field Observation:	Wind Direction: SE→NW, Wind Speed: 6 km/h, Temperature: 33.4°C, Humidity: 41%	Received By:	Jay
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	14/05/2024
Applicable Standard:	NAAQS:2009	Collection Time:	14:40
		Collected By:	Nikul

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	59.84	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	33.62	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	10.95	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	12.07	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

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TC-11896

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TEST REPORT (AMBIENT AIR MONITORING)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251359
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	23/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	16/05/2024
Station:	Near Raw Material Ware House	Receipt Date:	15/05/2024
Sampling Duration:	24 Hours	Receipt Time:	18:35
Field Observation:	Wind Direction: SE→NW, Wind Speed: 6 km/h, Temperature: 33.4°C, Humidity: 41%	Received By:	Jay
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	14/05/2024
Applicable Standard:	NAAQS:2009	Collection Time:	14:50
		Collected By:	Nikul

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	61.42	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	34.79	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	12.06	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	13.05	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

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End of Report



TC-11806

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TEST REPORT (AMBIENT AIR MONITORING)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251983
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	19/06/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	10/06/2024
Station:	STP Area	Receipt Date:	08/06/2024
Sampling Duration:	24 Hours	Receipt Time:	18:45
Field Observation:	Wind Direction: SW→NE, Wind Speed: 7 km/h, Temperature: 35.2°C, Humidity: 52%	Received By:	Jay
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	07/06/2024
Applicable Standard:	NAAQS:2009	Collection Time:	15:00
		Collected By:	Satyendra

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	56.38	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	30.27	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	10.42	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	12.52	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge)		Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)	
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TC-11806

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June - 24



PRAKRUTI

**TEST REPORT
(AMBIENT AIR MONITORING)**

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251981
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	19/06/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	10/06/2024
Station:	Main Gate Area	Receipt Date:	08/06/2024
Sampling Duration:	24 Hours	Receipt Time:	18:45
Field Observation:	Wind Direction: SW→NE, Wind Speed: 7 km/h, Temperature: 35.2°C, Humidity: 52%	Received By:	Jay
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	07/06/2024
Applicable Standard:	NAAQS:2009	Collection Time:	14:30
		Collected By:	Satyendra

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	54.90	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	28.42	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	9.74	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	10.38	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

Note :

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TC-11#06

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TEST REPORT (AMBIENT AIR MONITORING)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251982
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	19/06/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	10/06/2024
Station:	Near Utility	Receipt Date:	08/06/2024
Sampling Duration:	24 Hours	Receipt Time:	18:45
Field Observation:	Wind Direction: SW→NE, Wind Speed: 7 km/h, Temperature: 35.2°C, Humidity: 52%	Received By:	Jay
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	07/06/2024
Applicable Standard:	NAAQS:2009	Collection Time:	14:50
		Collected By:	Satyendra

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	62.40	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	34.45	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	11.84	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	13.73	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge)		Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)	
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TC-11806

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TEST REPORT (AMBIENT AIR MONITORING)


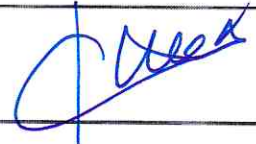
Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251984
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	19/06/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	10/06/2024
Station:	Near Raw Material Warehouse	Receipt Date:	08/06/2024
Sampling Duration:	24 Hours	Receipt Time:	18:45
Field Observation:	Wind Direction: SW→NE, Wind Speed: 7 km/h, Temperature: 35.2°C, Humidity: 52%	Received By:	Jay
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	07/06/2024
Applicable Standard:	NAAQS:2009	Collection Time:	14:40
		Collected By:	Satyendra

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	59.62	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	32.78	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	10.95	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	13.08	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge)			Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)
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End of Report



TC-11806

Prakruti Environmental Engineers

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TEST REPORT (AMBIENT AIR MONITORING)



Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24252633
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	24/07/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	17/07/2024
Station:	STP Area	Receipt Date:	16/07/2024
Sampling Duration:	24 Hours	Receipt Time:	18:30
Field Observation:	Wind Direction: SW→NE, Wind Speed: 11 km/h, Temperature: 30°C, Humidity: 75%	Received By:	Girish
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	15/07/2024
Applicable Standard:	NAAQS:2009	Collection Time:	11:40
		Collected By:	Mayur

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	45.44	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	21.68	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	7.72	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	8.63	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharial Desai (Laboratory Incharge)			Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)
--	---	--	--

Note :

1. **The above tests are accredited by NABL.**
2. The results refer only to the tested samples(s) and applicable parameters(s)
3. Sample(s) will be destroyed after 10 days from the report date unless otherwise specified.
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End of Report



TC-11896

Prakruti Environmental Engineers

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Email: info@prakruti.co.in • Web: www.prakruti.co.in



TEST REPORT (AMBIENT AIR MONITORING)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24252631
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	24/07/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	17/07/2024
Station:	Main Gate Area	Receipt Date:	16/07/2024
Sampling Duration:	24 Hours	Receipt Time:	18:30
Field Observation:	Wind Direction: SW→NE, Wind Speed: 11 km/h, Temperature: 30°C, Humidity: 75%	Received By:	Girish
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	15/07/2024
Applicable Standard:	NAAQS:2009	Collection Time:	11:50
		Collected By:	Mayur

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	48.36	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	23.55	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	8.23	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	9.72	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge)			Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)
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Note :

1. The above tests are accredited by NABL.
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6. Measurement Uncertainty is not mentioned in the test report and the same can be communicated to the customer on request.

End of Report



TC-11906

Prakruti Environmental Engineers

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TEST REPORT (AMBIENT AIR MONITORING)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24252632
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	24/07/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	17/07/2024
Station:	Near Utility	Receipt Date:	16/07/2024
Sampling Duration:	24 Hours	Receipt Time:	18:30
Field Observation:	Wind Direction: SW→NE, Wind Speed: 11 km/h, Temperature: 30°C, Humidity: 75%	Received By:	Girish
Sampling Method:	SOP-04: Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	15/07/2024
Applicable Standard:	NAAQS:2009	Collection Time:	12:10
		Collected By:	Mayur

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	53.42	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	27.68	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	9.63	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	10.97	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge)			Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)
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Note :

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End of Report



TC-11806

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TEST REPORT (AMBIENT AIR MONITORING)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24252634
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	24/07/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	17/07/2024
Station:	Near Raw Material Warehouse	Receipt Date:	16/07/2024
Sampling Duration:	24 Hours	Receipt Time:	18:30
Field Observation:	Wind Direction: SW→NE, Wind Speed: 11 km/h, Temperature: 30°C, Humidity: 75%	Received By:	Girish
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	15/07/2024
Applicable Standard:	NAAQS:2009	Collection Time:	12:00
		Collected By:	Mayur

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	50.94	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	26.12	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	8.86	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	10.42	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge)		Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)	
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Note :

1. The above tests are accredited by NABL.
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TC-11806

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**TEST REPORT
(AMBIENT AIR MONITORING)**



Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24253273
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	17/08/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	09/08/2024
Station:	STP Area	Receipt Date:	08/08/2024
Sampling Duration:	24 Hours	Receipt Time:	19:30
Field Observation:	Wind Direction: SW→NE, Wind Speed: 14 km/h, Temperature: 28.6°C, Humidity: 84%	Received By:	Girish
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	07/08/2024
Applicable Standard:	NAAQS:2009	Collection Time:	10:40
		Collected By:	Nikul

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	49.50	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	23.78	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	8.80	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	9.24	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

<p>Checked By : Girish Manharlal Desai (Laboratory Incharge)</p> 	<p align="right">Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)</p> 
---	--

Note :

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End of Report



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Aug - 24



PRAKRUTI

TEST REPORT (AMBIENT AIR MONITORING)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24253271
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	17/08/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	09/08/2024
Station:	Main Gate Area	Receipt Date:	08/08/2024
Sampling Duration:	24 Hours	Receipt Time:	19:30
Field Observation:	Wind Direction: SW→NE, Wind Speed: 14 km/h, Temperature: 28.6°C, Humidity: 84%	Received By:	Girish
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	07/08/2024
Applicable Standard:	NAAQS:2009	Collection Time:	10:30
		Collected By:	Nikul

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	52.65	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	26.33	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	9.40	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	10.78	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge)		Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)	
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Note :

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End of Report



TC-11000

Prakruti Environmental Engineers

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**TEST REPORT
(AMBIENT AIR MONITORING)**


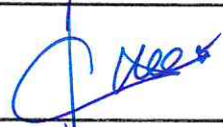
Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24253272
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	17/08/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	09/08/2024
Station:	Near Utility	Receipt Date:	08/08/2024
Sampling Duration:	24 Hours	Receipt Time:	19:30
Field Observation:	Wind Direction: SW→NE, Wind Speed: 14 km/h, Temperature: 28.6°C, Humidity: 84%	Received By:	Girish
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	07/08/2024
Applicable Standard:	NAAQS:2009	Collection Time:	10:25
		Collected By:	Nikul

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	55.85	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	29.41	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	10.02	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	11.65	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

<p>Checked By : Girish Manharlal Desai (Laboratory Incharge)</p> 	<p align="right">Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)</p> 
---	--

Note :

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End of Report



TC-11806



TEST REPORT (AMBIENT AIR MONITORING)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24253274
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	17/08/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	09/08/2024
Station:	Near Raw Material Warehouse	Receipt Date:	08/08/2024
Sampling Duration:	24 Hours	Receipt Time:	19:30
Field Observation:	Wind Direction: SW→NE, Wind Speed: 14 km/h, Temperature: 28.6°C, Humidity: 84%	Received By:	Girish
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	07/08/2024
Applicable Standard:	NAAQS:2009	Collection Time:	10:35
		Collected By:	Satyendra

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	54.33	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	28.15	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	9.09	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	11.11	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

Note :

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3. Sample(s) will be destroyed after 10 days from the report date unless otherwise specified.
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End of Report



TC-11206

Prakruti Environmental Engineers

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**TEST REPORT
(AMBIENT AIR MONITORING)**

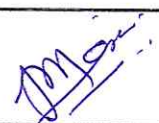
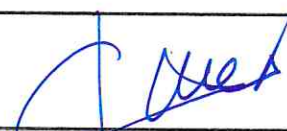
Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24254000
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	20/09/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	12/09/2024
Station:	Boiler Area	Receipt Date:	11/09/2024
Sampling Duration:	24 Hours	Receipt Time:	19:20
Field Observation:	Wind Direction: SW→NE, Wind Speed: 11 km/h, Temperature: 29.4°C, Humidity: 78%	Received By:	Girish
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	10/09/2024
Applicable Standard:	NAAQS:2009	Collection Time:	13:00
		Collected By:	Manu Parmar

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	51.78	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	21.95	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	8.96	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	10.26	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

<p>Checked By : Girish Manharlal Desai (Laboratory Incharge)</p> 	<p align="right">Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)</p> 
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Note :

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End of Report



TC-11308

Prakruti Environmental Engineers

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Sep-24.



PRAKRUTI

TEST REPORT (AMBIENT AIR MONITORING)



Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24253998
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	20/09/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	12/09/2024
Station:	Main Gate Area	Receipt Date:	11/09/2024
Sampling Duration:	24 Hours	Receipt Time:	19:20
Field Observation:	Wind Direction: SW→NE, Wind Speed: 11 km/h, Temperature: 29.4°C, Humidity: 78%	Received By:	Girish
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	10/09/2024
Applicable Standard:	NAAQS:2009	Collection Time:	13:10
		Collected By:	Manu Parmar

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	54.06	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	27.03	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	9.06	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	11.62	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge) 	 Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)
--	--

Note :

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End of Report



TC-11806

Prakruti Environmental Engineers

“PRAKRUTI” 3rd & 4th Floor, Next to Sarsawani Distributory Canal,
On Bil Road, Village Bil, Vadodara - 391 410, Gujarat, India

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**TEST REPORT
(AMBIENT AIR MONITORING)**

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24253999
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	20/09/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	12/09/2024
Station:	Near Utility	Receipt Date:	11/09/2024
Sampling Duration:	24 Hours	Receipt Time:	19:20
Field Observation:	Wind Direction: SW→NE, Wind Speed: 11 km/h, Temperature: 29.4°C, Humidity: 78%	Received By:	Girish
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	10/09/2024
Applicable Standard:	NAAQS:2009	Collection Time:	13:20
		Collected By:	Manu Parmar

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	57.46	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	30.24	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	10.82	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	12.42	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

<p>Checked By : Girish Manharlal Desai (Laboratory Incharge)</p> 	<p align="right">Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)</p> 
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Note :

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TC-11908

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**TEST REPORT
(AMBIENT AIR MONITORING)**

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24254001
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	20/09/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	12/09/2024
Station:	Near Raw Material Ware House	Receipt Date:	11/09/2024
Sampling Duration:	24 Hours	Receipt Time:	19:20
Field Observation:	Wind Direction: SW→NE, Wind Speed: 11 km/h, Temperature: 29.4°C, Humidity: 78%	Received By:	Girish
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023	Collection Date:	10/09/2024
Applicable Standard:	NAAQS:2009	Collection Time:	13:30
		Collected By:	Manu Parmar

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Particulate Matter (as PM ₁₀)	µg/m ³	IS: 5182 (Part 23): 2006	Girish	55.98	100
2	Particulate Matter (as PM _{2.5})	µg/m ³	IS: 5182 (Part 24): 2019	Girish	28.76	60
3	Sulphur Dioxide (as SO ₂)	µg/m ³	IS: 5182 (Part 2): 2001	Girish	10.23	80
4	Oxides of Nitrogen (as NO ₂)	µg/m ³	IS: 5182 (Part 6): 2006	Girish	12.02	80

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

<p>Checked By : Girish Manharlal Desai (Laboratory Incharge)</p> 	<p align="right">Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)</p> 
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TC-11806

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Annexure-02



Photographs of Green Belt Area



Register Containing particulars of monitoring of working environment required under Section 7-a (2) (e)

1. Name of the Department / Plant - 01 Celecoxib
2. Raw materials, by Products and finished products involved in the process. IPA, Methanol, Toluene.
3. Particulars of sampling.

Sr. No. अंजु. नंबर	Location Operation Monitored स्थल	Identified Contaminant प्रदूषक की विधि	Sampling Instruction Used क्या साधन थी	Airborne Contamination					
				Number of Samples नमूनाओं का नंबर	Range रेंज	Average औसत			
1	2	3	4	5	6	7			
01. PP Area	Toluene	VOC meter		1	3.0	3.03			
				2	3.2				
				3	2.9				
				IPA	VOC meter		1	8.1	8.33
							2	8.6	
							3	8.3	
				Methanol	VOC meter		1	10.1	10.2
							2	10.3	
							3	10.2	
02. First Floor	Toluene	VOC meter		1	1.2	1.46			
				2	1.4				
				3	1.8				
	IPA	VOC meter		1	5.4	5.6			
				2	5.6				
				3	5.8				
	Methanol	VOC meter		1	8.8	8.77			
				2	8.6				
				3	8.9				
03. Second Floor	Toluene	VOC meter		1	2.1	2.37			
				2	2.4				
				3	2.6				
	IPA	VOC meter		1	4.7	4.8			
				2	4.9				
				3	4.8				
	Methanol	VOC meter		1	10.1	10.2			
				2	10.3				
				3	10.4				

फॉर्म नंबर 37

(Prescribed under Rule 12-B)/इस 12-बी मुद्रण

प्रदूषक निवारण अंगेजु रजिस्टर

TWA concentration (As given in Second Schedule)	Reference Method प्रदूषक की विधि	Numbers of Workers exposed at the location being monitored कारखाने की संख्या	Remarks विशेष नोट	Signature Person Taking Sample नमूने लेने वाले व्यक्ति की सही	Name (In block letters) नाम
8	9	10	11	12	13
20 PPM	VOC meter	3	30/09/2024	[Signature]	KASHYAP
200 PPM	VOC meter	3	30/09/2024	[Signature]	KASHYAP
200 PPM	VOC meter	3	30/09/2024	[Signature]	KASHYAP
20 PPM	VOC meter	2	30/09/2024	[Signature]	KASHYAP
200 PPM	VOC meter	2	30/09/2024	[Signature]	KASHYAP
200 PPM	VOC meter	2	30/09/2024	[Signature]	KASHYAP
20 PPM	VOC meter	3	30/09/2024	[Signature]	KASHYAP
200 PPM	VOC meter	3	30/09/2024	[Signature]	KASHYAP
200 PPM	VOC meter	3	30/09/2024	[Signature]	KASHYAP



**TEST REPORT
(AMBIENT NOISE LEVEL)**

Customer:	Alembic Pharmaceuticals Limited (API-II)	Ref. No.:	24250625
Location:	Vill.: Panelav, PO Tajpura, , Near Baska, Tal.: Halol, Dist.: Panchmahal - 389350	Report Date:	02/05/2024
Authorised Person:	Mr. Vishal Purohit	Monitoring Date:	23/04/2024
Category of Area/ Zone:	Industrial	Monitored By:	Manu Parmar
Predominant Sources:	General Industrial Activity		
Field Observation:	Wind Speed: 6 km/h, Wind Direction: SW→NE		
Sampling Method:	SOP-04; Issue No. 03, Amend No. 01, Issue Dt.: 15/02/2020		

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	Near DG set Roadside	24/04/2024	15:50:00	24/04/2024	15:55:00	05:00:00	64
2	Main Gate (Day Time)	24/04/2024	06:00:00	24/04/2024	12:00:00	06:00:00	64
3	Main Gate (Day Time)	23/04/2024	12:00:00	23/04/2024	22:00:00	10:00:00	63
4	Main Gate (Night Time)	23/04/2024	22:00:00	24/04/2024	06:00:00	08:00:00	57
5	Near Aeration Tank	24/04/2024	15:00:00	24/04/2024	15:05:00	00:05:00	67
6	Near Cooling Tower	24/04/2024	15:10:00	24/04/2024	15:15:00	00:05:00	73
7	Near Fire Hydrant	24/04/2024	15:20:00	24/04/2024	15:25:00	00:05:00	68
8	Near Raw Water Storage Tank 2	24/04/2024	15:40:00	24/04/2024	15:45:00	00:05:00	74
9	Opposite Utility Plant	24/04/2024	15:30:00	24/04/2024	15:35:00	00:05:00	71

The Noise Pollution (Regulation & Control) Rules 2000
Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area/Zone	Limits in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

1. Day time shall mean from 6:00 am to 10:00 pm

2. Night time shall mean from 10:00 pm to 6:00 am

3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority

4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

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 ear

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

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

Remarks:

Checked By: G. M. Desai (Lab-Incharge)

Authorised Signatory: Seema Abhale (Partner)

Note:

1. The above tests are accredited by NABL

2. This report is not to be reproduced wholly or in part without written approval from Prakruti Environmental Engineers

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Certificate No. TC 7379

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TEST REPORT (NOISE LEVEL AMBIENT)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251364
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	23/05/2024
Authorised Person:	Mr. Vishal Purohit	Monitoring Date:	14/05/2024
Category of Area / Zone:	A	Monitored By:	Manu Parmar
Predominant Sources:	General Industrial Activity		
Field Observation:	Wind Speed: 6 km/h, Wind Direction: SE→NW		
Sampling Method:	SOP 04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	STATION	START DATE	START TIME	END DATE	END TIME	TIME DURATION	NOISE LEVEL dB(A) Leq
1	DG Set Roadside	15/05/2024	14:35:00	15/05/2024	14:40:00	00:05:00	65
2	Main Gate (Day Time)	15/05/2024	06:00:00	15/05/2024	11:00:00	05:00:00	65
3	Main Gate (Day Time)	14/05/2024	11:00:00	14/05/2024	22:00:00	11:00:00	66
4	Main Gate (Night Time)	14/05/2024	22:00:00	15/05/2024	06:00:00	08:00:00	54
5	Near Aeration Tank	15/05/2024	14:00:00	15/05/2024	14:05:00	00:05:00	68
6	Near Cooling Tower	15/05/2024	14:07:00	15/05/2024	14:12:00	00:05:00	72
7	Near Fire Hydrant	15/05/2024	14:14:00	15/05/2024	14:19:00	00:05:00	70
8	Near Raw Water Storage Tank 2	15/05/2024	14:28:00	15/05/2024	14:33:00	00:05:00	72
9	Opposite Utility Plant	15/05/2024	14:21:00	15/05/2024	14:26:00	00:05:00	68

The Noise Pollution (Regulation & Control) Rules 2000 Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area / Zone	Limits in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

1. Day time shall mean from 6:00 am to 10:00 pm

2. Night time shall mean from 10:00 pm to 6:00 am

3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority

4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

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 ear

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

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

Remarks:

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

Note :

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07 1906



TEST REPORT (NOISE LEVEL AMBIENT)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251989
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	19/06/2024
Authorised Person:	Mr. Vishal Purohit	Monitoring Date:	07/06/2024
Category of Area / Zone:	A	Monitored By:	Satyendra
Predominant Sources:	General Industrial Activity		
Field Observation:	Wind Speed: 7 km/h, Wind Direction: SW→NE		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	STATION	START DATE	START TIME	END DATE	END TIME	TIME DURATION	NOISE LEVEL dB(A) Leq
1	DG Set Roadside	08/06/2024	16:10:00	08/06/2024	16:15:00	00:05:00	62
2	Main Gate	08/06/2024	15:20:00	08/06/2024	15:25:00	00:05:00	64
3	Near Cooling Tower	08/06/2024	15:30:00	08/06/2024	15:35:00	00:05:00	70
4	Near ETP (Day Time)	08/06/2024	06:00:00	08/06/2024	15:15:00	09:15:00	66
5	Near ETP (Day Time)	07/06/2024	15:15:00	07/06/2024	22:00:00	06:45:00	68
6	Near ETP (Night Time)	07/06/2024	22:00:00	08/06/2024	06:00:00	08:00:00	62
7	Near Fire Hydrant	08/06/2024	15:40:00	08/06/2024	15:45:00	00:05:00	68
8	Near Raw Water Storage Tank 2	08/06/2024	16:00:00	08/06/2024	16:05:00	00:05:00	69
9	Opposite Utility Plant	08/06/2024	15:50:00	08/06/2024	15:55:00	00:05:00	71

The Noise Pollution (Regulation & Control) Rules 2000 Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area / Zone	Limits in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

1. Day time shall mean from 6:00 am to 10:00 pm

2. Night time shall mean from 10:00 pm to 6:00 am

3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority

4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

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 ear

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

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

Remarks:

Checked By : Girish Manharlal Desai (Laboratory Incharge)		Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)	
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Note :

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End of Report



TC-11806

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TEST REPORT (AMBIENT NOISE LEVEL)

Customer:	Alembic Pharmaceuticals Limited (API-II)	Ref. No.:	24252638
Location:	Viii.: Panelav, PO Tajpura, , Near Baska, Tal.: Halol, Dist.: Panchmahal - 389350	Report Date:	24/07/2024
Authorised Person:	Mr. Vishal Purohit	Monitoring Date:	15/07/2024
Category of Area/ Zone:	Industrial	Monitored By:	MJR
Predominant Sources:	General Industrial Activity		
Field Observation:	Wind Speed: 09 KMPH Wind Direction: SW→NE		
Sampling Method:	SOP-04; Issue No. 03, Amend No. 01, Issue Dt.: 15/02/2020		

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	Near ETP (Day Time)	15/07/2024	13:35:00	15/07/2024	22:00:00	08:25:00	71
2	Near ETP (Night Time)	15/07/2024	22:00:00	16/07/2024	06:00:00	08:00:00	68
3	Near ETP (Day Time)	16/07/2024	06:00:00	16/07/2024	13:30:00	07:30:00	67
4	Main Gate	16/07/2024	13:40:00	16/07/2024	13:45:00	00:05:00	61
5	Near Cooling Tower	16/07/2024	13:55:00	16/07/2024	14:00:00	00:05:00	72
6	Near Fire Hydrant	16/07/2024	14:10:00	16/07/2024	14:15:00	00:05:00	70
7	Opposite Utility Plant	16/07/2024	14:25:00	16/07/2024	14:30:00	00:05:00	65
8	Near Raw Water Storage Tank 2	16/07/2024	14:40:00	16/07/2024	14:45:00	00:05:00	74
9	DG set Roadside	16/07/2024	14:55:00	16/07/2024	15:00:00	00:05:00	70

The Noise Pollution (Regulation & Control) Rules 2000
Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area/Zone	Limits in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

1. Day time shall mean from 6:00 am to 10:00 pm

2. Night time shall mean from 10:00 pm to 6:00 am

3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority

4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

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 ear

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

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

Remarks:

Checked By: G. M. Desai (Lab-Incharge)

Authorised Signatory: Seema Abhale (Partner)

Note:

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Certificate No. TC-1279

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TEST REPORT (AMBIENT NOISE LEVEL)

Customer:	Alembic Pharmaceuticals Limited (API-II)	Ref. No.:	24253280
Location:	Vill.: Panelav, PO Tajpura, , Near Baska, Tal.: Halol, Dist.: Panchmahal - 389350	Report Date:	17/08/2024
Authorised Person:	Mr. Vishal Purohit	Monitoring Date:	07/08/2024
Category of Area/ Zone:	Industrial	Monitored By:	Satyendra
Predominant Sources:	General Industrial Activity		
Field Observation:	Wind Speed: 14 KMPH Wind Direction: SW→NE		
Sampling Method:	SOP-04; Issue No. 03, Amend No. 01, Issue Dt.: 15/02/2020		

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	Near ETP (Day Time)	07/08/2024	13:25:00	07/08/2024	22:00:00	08:35:00	69
2	Near ETP (Night Time)	07/08/2024	22:00:00	08/08/2024	06:00:00	08:00:00	61
3	Near ETP (Day Time)	08/08/2024	06:00:00	08/08/2024	11:30:00	05:30:00	66
4	Main Gate	07/08/2024	13:25:00	07/08/2024	13:30:00	00:05:00	65
5	Near Cooling Tower	07/08/2024	13:35:00	07/08/2024	13:40:00	00:05:00	69
6	Near Fire Hydrant	07/08/2024	13:45:00	07/08/2024	13:50:00	00:05:00	70
7	Opposite Utility Plant	07/08/2024	13:52:00	07/08/2024	13:57:00	00:05:00	72
8	Near Raw Water Storage Tank 2	07/08/2024	14:00:00	07/08/2024	14:05:00	00:05:00	68
9	DG set Roadside	07/08/2024	14:13:00	07/08/2024	14:18:00	00:05:00	59

The Noise Pollution (Regulation & Control) Rules 2000

Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area/Zone	Limits in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

1. Day time shall mean from 6:00 am to 10:00 pm

2. Night time shall mean from 10:00 pm to 6:00 am

3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority

4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent

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 ear

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

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

Remarks:

Checked By: G. M. Desai (Lab-Incharge)

Authorised Signatory: Seema Abhale (Partner)

Note:

1. The above tests are accredited by NABL

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Certificate No. TC-7279

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TEST REPORT (AMBIENT NOISE LEVEL)

Customer:	Alembic Pharmaceuticals Limited (API-II)	Ref. No.:	24254007
Location:	Vill.: Panelav, PO Tajpura, , Near Baska, Tal.: Halol, Dist.: Panchmahal - 389350	Report Date:	20/09/2024
Authorised Person:	Mr. Vishal Purohit	Monitoring Date:	10/09/2024
Category of Area/ Zone:	Industrial	Monitored By:	Manu Parmar
Predominant Sources:	General Industrial Activity		
Field Observation:	Wind Speed: 11 KMPH Wind Direction: SW→NE		
Sampling Method:	SOP-04; Issue No. 03, Amend No. 01, Issue Dt.: 15/02/2020		

CHEMICAL TESTING: ATMOSPHERIC POLLUTION

SN	Station	Start Date	Start Time	End Date	End Time	Time Duration	NOISE LEVEL dB(A) Leq
1	Main Gate (Day Time)	10/09/2024	10:20:00	10/09/2024	22:00:00	11:40:00	67
2	Main Gate (Night Time)	10/09/2024	22:00:00	11/09/2024	06:00:00	08:00:00	56
3	Main Gate (Day Time)	11/09/2024	06:00:00	11/09/2024	10:20:00	04:20:00	68
4	Near ETP	11/09/2024	11:00:00	11/09/2024	11:05:00	00:05:00	71
5	Near Cooling Water Tower	11/09/2024	11:25:00	11/09/2024	11:30:00	00:05:00	70
6	Near Fire Hydrant	11/09/2024	11:40:00	11/09/2024	11:45:00	00:05:00	69
7	Near Raw Water Storage Tank 2	11/09/2024	11:15:00	11/09/2024	11:20:00	00:05:00	67
8	Near DG set Roadside	11/09/2024	11:35:00	11/09/2024	11:40:00	00:05:00	62

The Noise Pollution (Regulation & Control) Rules 2000

Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area/Zone	Limits in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

1. Day time shall mean from 6:00 am to 10:00 pm

2. Night time shall mean from 10:00 pm to 6:00 am

3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority

4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

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 ear

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

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

Remarks:

Checked By: G. M. Desai (Lab-Incharge)

Authorised Signatory: Seema Abhale (Partner)

Note:

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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24250621
Location:	2002-API-2, Vill.: Panielav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	02/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	25/04/2024
Stack Attached To:	Plant - 1 (Sartan Product)	Receipt Date:	24/04/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	18:50
Fuel Type:	-	Received By:	Jay
Fuel Consumption:	-	Collection Date:	24/04/2024
Stack Height, m:	12	Collection Time:	12:45
Stack Diameter, mm:	400	Collected By:	Manu Parmar
Emission Temperature, °C:	34		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	10.47 (4.00 ppm)	40
2	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	Girish	9.45 (5.02 ppm)	25
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP-TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	9.62 (6.44 ppm)	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

Note :

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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24250624
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	02/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	25/04/2024
Stack Attached To:	Plant - 3 (Sartan Product)	Receipt Date:	24/04/2024
Air Pollution Control System:	Two Stage Scrubber	Receipt Time:	18:50
Fuel Type:	-	Received By:	Jay
Fuel Consumption:	-	Collection Date:	24/04/2024
Stack Height, m:	15	Collection Time:	15:00
Stack Diameter, mm:	160	Collected By:	Manu Parmar
Emission Temperature, °C:	37		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	11.96	40
2	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	9.62	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

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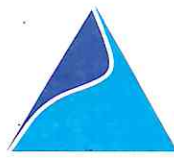
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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24250622
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	02/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	25/04/2024
Stack Attached To:	Plant - 5 (MEM Chloride/TBTC)	Receipt Date:	24/04/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	18:50
Fuel Type:	-	Received By:	Jay
Fuel Consumption:	-	Collection Date:	24/04/2024
Stack Height, m:	15	Collection Time:	13:30
Stack Diameter, mm:	900	Collected By:	Manu Parmar
Emission Temperature, °C:	36		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	8.42	40
2	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	11.54	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

Note :

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TC-11896

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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24250623
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	02/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	25/04/2024
Stack Attached To:	Warehouse Scrubber	Receipt Date:	24/04/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	18:50
Fuel Type:	-	Received By:	Jay
Fuel Consumption:	-	Collection Date:	24/04/2024
Stack Height, m:	6	Collection Time:	14:15
Stack Diameter, mm:	200	Collected By:	Manu Parmar
Emission Temperature, °C:	34		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
2	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge)		Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)	
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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251361
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	23/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	16/05/2024
Stack Attached To:	Plant - 1 (Sartan Product)	Receipt Date:	15/05/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	18:35
Fuel Type:	-	Received By:	Jay
Fuel Consumption:	-	Collection Date:	15/05/2024
Stack Height, m:	12	Collection Time:	12:15
Stack Diameter, mm:	400	Collected By:	Manu Parmar
Emission Temperature, °C:	34		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	12.05 (4.60 ppm)	40
2	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	Girish	8.54 (4.53 ppm)	25
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP-TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	10.66 (7.14 ppm)	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

Note :

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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251617
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	23/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	16/05/2024
Stack Attached To:	Plant - 3 (Sartan Product)	Receipt Date:	15/05/2024
Air Pollution Control System:	Two Stage Scrubber	Receipt Time:	18:35
Fuel Type:	-	Received By:	Jay
Fuel Consumption:	-	Collection Date:	15/05/2024
Stack Height, m:	15	Collection Time:	14:00
Stack Diameter, mm:	160	Collected By:	Manu Parmar
Emission Temperature, °C:	35		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	9.34	40
2	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP-TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP-TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	8.73	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

Note :

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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251362
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	23/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	16/05/2024
Stack Attached To:	Plant - 5 (MEM Chloride/TBTC)	Receipt Date:	15/05/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	18:35
Fuel Type:	-	Received By:	Jay
Fuel Consumption:	-	Collection Date:	15/05/2024
Stack Height, m:	15	Collection Time:	13:30
Stack Diameter, mm:	900	Collected By:	Manu Parmar
Emission Temperature, °C:	36		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	10.85	40
2	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	11.63	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

Note :

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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251363
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	23/05/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	16/05/2024
Stack Attached To:	Warehouse Scrubber	Receipt Date:	15/05/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	18:35
Fuel Type:	-	Received By:	Jay
Fuel Consumption:	-	Collection Date:	15/05/2024
Stack Height, m:	6	Collection Time:	13:00
Stack Diameter, mm:	200	Collected By:	Manu Parmar
Emission Temperature, °C:	35		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
2	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge)			Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)
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Note :

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End of Report



TC-11806

Prakruti Environmental Engineers

"PRAKRUTI" 3rd & 4th Floor, Next to Sarsawani Distributory Canal,
On Bil Road, Village Bil, Vadodara - 391 410, Gujarat, India

Contact No.: +91 265 2356171, 9429873456, 9409100037, 9409100067, 9409100073

Email: info@prakruti.co.in • Web: www.prakruti.co.in



TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251986
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	19/06/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	10/06/2024
Stack Attached To:	Plant - 1 (Sartan Product)	Receipt Date:	08/06/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	18:45
Fuel Type:	-	Received By:	Jay
Fuel Consumption:	-	Collection Date:	08/06/2024
Stack Height, m:	12	Collection Time:	15:15
Stack Diameter, mm:	400	Collected By:	Satyendra
Emission Temperature, °C:	36		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	14.16 (5.41 ppm)	40
2	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	Girish	7.50 (3.98 ppm)	25
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	9.21 (6.17 ppm)	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24252062
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	19/06/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	10/06/2024
Stack Attached To:	Plant - 3 (Sartan Product)	Receipt Date:	08/06/2024
Air Pollution Control System:	Two Stage Alkali Scrubber	Receipt Time:	18:45
Fuel Type:	-	Received By:	Jay
Fuel Consumption:	-	Collection Date:	08/06/2024
Stack Height, m:	15	Collection Time:	12:00
Stack Diameter, mm:	160	Collected By:	Nikul
Emission Temperature, °C:	36		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	10.54	40
2	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	12.11	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

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TEST REPORT (AIR EMISSION)



Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251987
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	19/06/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	10/06/2024
Stack Attached To:	Plant - 5 (MEM Chloride/TBTC)	Receipt Date:	08/06/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	18:45
Fuel Type:	-	Received By:	Jay
Fuel Consumption:	-	Collection Date:	08/06/2024
Stack Height, m:	15	Collection Time:	16:05
Stack Diameter, mm:	200	Collected By:	Nikul
Emission Temperature, °C:	35		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	9.64	40
2	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	8.72	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge)			Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)
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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24251988
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	19/06/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	10/06/2024
Stack Attached To:	Warehouse Scrubber	Receipt Date:	08/06/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	18:45
Fuel Type:	-	Received By:	Jay
Fuel Consumption:	-	Collection Date:	08/06/2024
Stack Height, m:	6	Collection Time:	13:50
Stack Diameter, mm:	200	Collected By:	Nikul
Emission Temperature, °C:	34		
Velocity, m/s:	-		
Flow, m ³ /hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
2	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge)		Authorized Signatory : Krishna Girish Desai (Technical Manager & Partner)	
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July - 24.



PRAKRUTI

TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24252635
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	24/07/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	17/07/2024
Stack Attached To:	Plant - 1 (Sartan Product)	Receipt Date:	15/07/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	18:00
Fuel Type:	-	Received By:	Girish
Fuel Consumption:	-	Collection Date:	15/07/2024
Stack Height, m:	12 m	Collection Time:	13:30
Stack Diameter, mm:	400 mm	Collected By:	Manu Parmar
Emission Temperature, °C:	34°C		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	12.96 (4.95 ppm)	100 ppm
2	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	Girish	8.17 (4.34 ppm)	50 ppm
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST- 03, Issue No.: 04, Issue Date: 27.01.2023	Girish	10.42	20

Remarks:

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Checked By :
Girish Manharlal Desai
(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24252645
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	24/07/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	17/07/2024
Stack Attached To:	Plant - 3	Receipt Date:	16/07/2024
Air Pollution Control System:	Two Stage Scrubber	Receipt Time:	18:30
Fuel Type:	-	Received By:	Girish
Fuel Consumption:	-	Collection Date:	16/07/2024
Stack Height, m:	15 m	Collection Time:	15:00
Stack Diameter, mm:	160 mm	Collected By:	Manu Parmar
Emission Temperature, °C:	35°C		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	7.67	40
2	Chlorine (as Cl ₂)	mg/Nm ³	EPD Method 200: 1986	Girish	BDL (DL:5)	9
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	Girish	9.47	20

Remarks:

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Checked By : Girish Manharlal Desai (Laboratory Incharge)		Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)	
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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24252636
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	24/07/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	17/07/2024
Stack Attached To:	Plant - 5 (MEM Chloride/TBTC)	Receipt Date:	15/07/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	18:00
Fuel Type:	-	Received By:	Girish
Fuel Consumption:	-	Collection Date:	15/07/2024
Stack Height, m:	15 m	Collection Time:	15:00
Stack Diameter, mm:	900 mm	Collected By:	Manu Parmar
Emission Temperature, °C:	36°C		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	7.66	40
2	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	8.46	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
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(Laboratory Incharge)

Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)

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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24252637
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	24/07/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	17/07/2024
Stack Attached To:	Warehouse Scrubber	Receipt Date:	16/07/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	18:30
Fuel Type:	-	Received By:	Girish
Fuel Consumption:	-	Collection Date:	16/07/2024
Stack Height, m:	6 m	Collection Time:	14:15
Stack Diameter, mm:	200 mm	Collected By:	Manu Parmar
Emission Temperature, °C:	34°C		
Velocity, m/s:	-		
Flow, m ³ /hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
2	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharial Desai (Laboratory Incharge)			Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)
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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24253276
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	17/08/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	09/08/2024
Stack Attached To:	Plant - 1 (Sartan Product)	Receipt Date:	07/08/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	19:20
Fuel Type:	-	Received By:	Girish
Fuel Consumption:	-	Collection Date:	07/08/2024
Stack Height, m:	12	Collection Time:	14:15
Stack Diameter, mm:	400	Collected By:	Satyendra
Emission Temperature, °C:	35		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	11.19 (4.28 ppm)	40
2	Nitrogen Oxide (as NO _x)	mg/Nm ³	IS: 11255 (Part 7): 2005	Girish	9.46 (5.03 ppm)	25
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	6.63	20

Remarks:

- BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.
- Results are not exceeding permissible limit SO₂ ≤ 100 ppm & NO_x ≤ 50 ppm.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)



Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)



Note :

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End of Report



TC-11207

Prakruti Environmental Engineers

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TEST REPORT (AIR EMISSION)


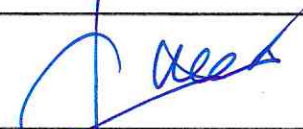
Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24253279
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	17/08/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	09/08/2024
Stack Attached To:	Plant -3 (Sartan Product)	Receipt Date:	07/08/2024
Air Pollution Control System:	Two Stage Scrubber	Receipt Time:	19:20
Fuel Type:	-	Received By:	Girish
Fuel Consumption:	-	Collection Date:	07/08/2024
Stack Height, m:	15	Collection Time:	15:50
Stack Diameter, mm:	200	Collected By:	Nikul
Emission Temperature, °C:	34		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	11.74	40
2	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	7.82	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge) 	 Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner)
--	--

Note :

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End of Report



TC-11804

Prakruti Environmental Engineers

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Email: info@prakruti.co.in • Web: www.prakruti.co.in

**TEST REPORT
(AIR EMISSION)**

Customer:	Alembic Pharmaceuticals Limited.	Ref. No.:	24253277
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	17/08/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	09/08/2024
Stack Attached To:	Plant - 5 (MEM Chloride/TBTC)	Receipt Date:	07/08/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	19:20
Fuel Type:	-	Received By:	Girish
Fuel Consumption:	-	Collection Date:	07/08/2024
Stack Height, m:	15	Collection Time:	14:45
Stack Diameter, mm:	200	Collected By:	Nikul
Emission Temperature, °C:	36		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	10.02	40
2	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	9.48	20

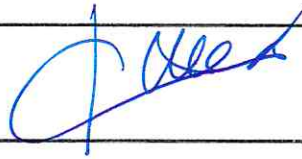
Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)



Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)



Note :

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End of Report



TC-11806

Prakruti Environmental Engineers

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Email: info@prakruti.co.in • Web: www.prakruti.co.in

TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24253278
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	17/08/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	09/08/2024
Stack Attached To:	Warehouse Scrubber	Receipt Date:	07/08/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	19:20
Fuel Type:	-	Received By:	Girish
Fuel Consumption:	-	Collection Date:	07/08/2024
Stack Height, m:	6	Collection Time:	15:15
Stack Diameter, mm:	200	Collected By:	Satyendra
Emission Temperature, °C:	34		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		


CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
2	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	20

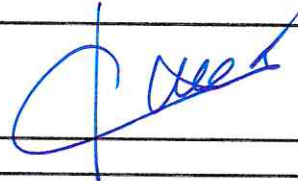
Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)



Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)



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End of Report



TC-11809

Prakruti Environmental Engineers

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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24254003
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	20/09/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	12/09/2024
Stack Attached To:	Plant- 1 (Sartan Product)	Receipt Date:	11/09/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	19:20
Fuel Type:	-	Received By:	Girish
Fuel Consumption:	-	Collection Date:	11/09/2024
Stack Height, m:	12	Collection Time:	13:10
Stack Diameter, mm:	400	Collected By:	Manu Parmar
Emission Temperature, °C:	33		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	14.14 (5.40 ppm)	100 ppm
2	Nitrogen Oxide (as NO _x)	mg/Nm ³	EPA Method 7C: 2017	Girish	10.98 (5.84 ppm)	50 ppm
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPD Method 200: 1986	Girish	8.53	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)



Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)



Note :

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End of Report



TC-11802

TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24254005
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	20/09/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	12/09/2024
Stack Attached To:	Plant- 3 (Sartan Product)	Receipt Date:	11/09/2024
Air Pollution Control System:	Two Stage Scrubber	Receipt Time:	19:20
Fuel Type:	-	Received By:	Girish
Fuel Consumption:	-	Collection Date:	11/09/2024
Stack Height, m:	15	Collection Time:	14:25
Stack Diameter, mm:	160	Collected By:	Manu Parmar
Emission Temperature, °C:	34		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	10.02	40
2	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	11.37	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge) 	Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner) 
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TC-11806

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TEST REPORT (AIR EMISSION)

Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24254006
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	20/09/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	12/09/2024
Stack Attached To:	Plant- 5 (MEM Chloride/TBTC)	Receipt Date:	11/09/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	19:20
Fuel Type:	-	Received By:	Girish
Fuel Consumption:	-	Collection Date:	11/09/2024
Stack Height, m:	15	Collection Time:	15:05
Stack Diameter, mm:	900	Collected By:	Manu Parmar
Emission Temperature, °C:	33		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Sulphur Dioxide (as SO ₂)	mg/Nm ³	IS: 11255 (Part 2): 1985	Girish	9.72	40
2	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
3	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	5.21	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By :
Girish Manharlal Desai
(Laboratory Incharge)



Authorised Signatory :
Krishna Girish Desai
(Technical Manager & Partner)



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TC-11001

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TEST REPORT (AIR EMISSION)


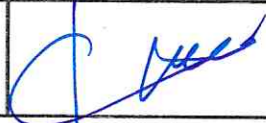
Customer:	Alembic Pharmaceuticals Limited	Ref. No.:	24254004
Location:	2002-API-2, Vill.: Panelav, PO Tajpura, , Near Baska, Taluka: Halol, Panchmahal Gujarat. Pin : 389350	Report Date:	20/09/2024
Authorised Person:	Mr. Vishal Purohit	Analysis Date:	12/09/2024
Stack Attached To:	Warehouse Scrubber	Receipt Date:	11/09/2024
Air Pollution Control System:	Alkali Scrubber	Receipt Time:	19:20
Fuel Type:	-	Received By:	Girish
Fuel Consumption:	-	Collection Date:	11/09/2024
Stack Height, m:	6	Collection Time:	13:45
Stack Diameter, mm:	200	Collected By:	Manu Parmar
Emission Temperature, °C:	32		
Velocity, m/s:	-		
Flow, m³/hr:	-		
Field Observation:	-		
Sampling Method:	SOP-04; Issue No. 04, Amend No. 01, Issue Dt.: 29/05/2023		
Applicable Standard:	Process Emission as per CCA		

CHEMICAL : ATMOSPHERIC POLLUTION

SN	PARAMETERS	UNITS	METHOD REFERENCE	ANALYST	RESULTS	PERMISSIBLE LIMIT
1	Chlorine (as Cl ₂)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	9
2	Hydrochloric Acid (as HCl)	mg/Nm ³	EPA Method 0051 & SOP- TEST-03, Issue No.: 04, Issue Date: 27.01.2023	Girish	BDL (DL:5)	20

Remarks:

1. BDL: Below Detectable Limit ,ADL: Above Detectable Limit DL: Detectable Limit.

Checked By : Girish Manharlal Desai (Laboratory Incharge) 	Authorised Signatory : Krishna Girish Desai (Technical Manager & Partner) 
--	---

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End of Report



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