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LUPIN LIMITED
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Scanned

ENV/MoEF/2324/2906

26.05.2023

To,
Deputy Director General of Forest (Central)
Regional Office, Western Region,
Ministry of Environment, Forest & Climate Change
Kendriya Parayavaran Bhavan, Link Road – 3, Ravishankar Nagar,
Bhopal – 462016 (M.P.)

Sub: Submission of Environment Clearance Compliance Report (For the period Oct 22 to Mar 23)

Ref: Environment Clearance letter no. J-11011/131/2012/-IA.II(I) dtd 04.02.15

Respected Sir,

We would like to mention here that we have been trying to submit six monthly EC compliance report (Oct 22 to Mar 23) online on Parivesh Portal but unable to update data on the Portal. Since we are unable to submit report online, we are submitting through email.

We are in touch with the help desk of the Parivesh Portal to submit the report online.

Six monthly EC compliance report along with Annexures are attached.

Thanking You,

Yours Faithfully,
For Lupin Limited

R C Dave
Site Head & Sr. GM – Manufacturing

CC: 1. RO, GPCB, Vadodara
2. CPCB, Vadodara

642 29/05/23
G. P. C. Board
GERI Compound
Race Course, Vadodara.

LUPIN LIMITED

Annexure – 1

Production Details as per CC&A: AWH - 116430 dated 17/01/2022 (Change in Product Mix on basis of no increasing pollution load) Apr 22 – Sep 22

Group	Sr. No	Final Name of Product List	Total Production (TPA)	Actual (Group) (TPA)
A	Category - I			
	1	1-(3-CHLOROPHENYL)-4-(3-CHLOROPROPYL)PIPERAZINE HYDROCHLORIDE	10.00	1.301
	2	BRIVERACETAM-VII		
	3	BRIVARACETAM		
	4	ZIPRASIDONE HYDROCHLORIDE		
	5	ILAPRAZOLE		
	6	PRASUGREL HYDROCHLORIDE		
	7	TENOFOVIR DISOPROXIL FUMARATE		
	8	REMDESIVIR		
	9	METFORMIN HYDROCHLORIDE		
	10	AZITHROMYCIN DIHYDRATE		
	11	4-IMINO-3-AMINO RIFAMYCIN-S / IMINO RIFAMYCIN-S		
	12	DROXIDOPA		
	13	MIRABEGRON		
	14	TELMISARTAN		
	15	ILOPERIDONE		
	16	COLESEVELAM HYDROCHLORIDE		
	17	PIOGLITAZONE HYDROCHLORIDE		
	18	DEXLANNSOPRAZOLE		
	19	CICLETANINE HYDROCHLORIDE		
	20	RUFINAMIDE-USP		
	21	RIFABUTIN		
	22	RIVAROXABAN		
	23	APREMILAST/ APREMILAST (Form-M)		
	24	ZIDOVUDINE		
B	Category - II			
	25.00	Levetiracetam	690.00	4.351
C	Category - III			
	26	RIFAXIMIN	125	35.799
	27	NIMORAZOLE		
	28	QUETIAPINE FUMARATE		
	29	SUCROFERRIC OXYHYDROXIDE		
	30	MOLNUPIRAVIR		
	31	FLUPIRTINE MALEATE		
D	Category - IV			
	32	Mesalamine	80	2.298
	33	ACOTIAMIDE HYDROCHLORIDE HYDRATE		
	34	CARVEDILOL		
	35	VENLAFLAXINE HYDROCHLORIDE		

	36	FEBUXOSTAT		
	37	ATAZANAVIR SULFATE		
	38	BUPROPION HYDROCHLORIDE		
	39	CELECOXIB		
	40	LANTHANUM CARBONATE DIHYDRATE		
	41	DRONEDARONE HYDROCHLORIDE		
	42	LACOSAMIDE		
	43	FLUPIRTINE BASE		
	44	LURASIDONE HYDROCHLORIDE		
	45	CINACALCET HYDROCHLORIDE		
	46	DABIGATRAN ETEXILATE MESYLATE		
	47	ESLICARBAZEPINE ACETATE		
	47	IRBESARTAN		
	49	OMEPRAZOLE		
E	Category - V			
	50	Pregabalin	100	9.964
	51	METOPROLOL SUCCINATE		
	52	ATORVASTATIN CALCIUM (TRIHYDRATE / AMORPHOUS)		
	53	AMLODIPINE BESYLATE		
	54	FERRIC CITRATE		
F	Category - VI			
	55	TENELIGLIPTIN HYDROBROMIDE HYDRATE	50	15.229
	56	Azithromycin Monohydrate		
	57	Sevelamer Carbonate		
	58	SEVELAMER HYDROCHLORIDE		
	59	DESVVENLAFAXINE SUCCINATE MONOHYDRATE		
	60	PIRFENIDONE		
	61	DESVENLAFAXINE BENZOATE		
	62	ESOMEPRAZOLE MAGNESIUM DIHYDRATE		
	63	OLMESARTAN MEDOXOMIL		
	64	FENOFIBRATE		
	65	DESLORATADINE		
	66	LANSOPRAZOLE		
	67	PROGLUMETACIN MALEATE		
	68	CYCLOSERINE		
69	RITONAVIR			
G	70	R&d Pilot plant Trial Run Products (Bulk Drugs and Intermediates)	30	0.115

Production Details as per CTE No. : 116431 dated 17/01/2022 (Change in Product Mix with no increase in pollution load)

Group	Sr. No	Final Name of Product List	Total Production (TPA)
A	Category - I		
	1	1-(3-CHLOROPHENYL)-4-(3-CHLOROPROPYL)PIPERAZINE HYDROCHLORIDE	10.00
	2	BRIVERACETAM-VII	
	3	BRIVARACETAM	
	4	ZIPRASIDONE HYDROCHLORIDE	
	5	ILAPRAZOLE	
	6	PRASUGREL HYDROCHLORIDE	
	7	TENOFOVIR DISOPROXIL FUMARATE	
	8	REMDESIVIR	
	9	METFORMIN HYDROCHLORIDE	
	10	AZITHROMYCIN DIHYDRATE	
	11	4-IMINO-3-AMINO RIFAMYCIN-S / IMINO RIFAMYCIN-S	
	12	DROXIDOPA	
	13	MIRABEGRON	
	14	TELMISARTAN	
	15	ILOPERIDONE	
	16	COLESEVELAM HYDROCHLORIDE	
	17	PIOGLITAZONE HYDROCHLORIDE	
	18	DEXLANNSOPRAZOLE	
	19	CICLETANINE HYDROCHLORIDE	
	20	RUFINAMIDE-USP	
	21	RIFABUTIN	
	22	RIVAROXABAN	
	23	APREMILAST/ APREMILAST (Form-M)	
	24	ZIDOVUDINE	
B	Category - II		
	25.00	Levetircetam	690.00
C	Category - III		
	26	RIFAXIMIN	125
	27	NIMORAZOLE	
	28	QUETIAPINE FUMARATE	
	29	SUCROFERRIC OXYHYDROXIDE	
	30	MOLNUPIRAVIR	
	31	FLUPIRTINE MALEATE	
D	Category - IV		
	32	Mesalamine	80
	33	ACOTIAMIDE HYDROCHLORIDE HYDRATE	
	34	CARVEDILOL	
	35	VENLAFLAXINE HYDROCHLORIDE	
	36	FEBUXOSTAT	

	37	ATAZANAVIR SULFATE	
	38	BUPROPION HYDROCHLORIDE	
	39	CELECOXIB	
	40	LANTHANUM CARBONATE DIHYDRATE	
	41	DRONEDARONE HYDROCHLORIDE	
	42	LACOSAMIDE	
	43	FLUPIRTINE BASE	
	44	LURASIDONE HYDROCHLORIDE	
	45	CINACALCET HYDROCHLORIDE	
	46	DABIGATRAN ETEXILATE MESYLATE	
	47	ESLICARBAZEPINE ACETATE	
	47	IRBESARTAN	
	49	OMEPRazole	
E	Category - V		
	50	Pregabalin	100
	51	METOPROLOL SUCCINATE	
	52	ATORVASTATIN CALCIUM (TRIHYDRATE / AMORPHOUS)	
	53	AMLODIPINE BESYLATE	
	54	FERRIC CITRATE	
F	Category - VI		
	55	TENELIGLIPTIN HYDROBROMIDE HYDRATE	50
	56	Azithromycin Monohydrate	
	57	Sevelamer Carbonate	
	58	SEVELAMER HYDROCHLORIDE	
	59	DESVVENLAFAXINE SUCCINATE MONOHYDRATE	
	60	PIRFENIDONE	
	61	DESVENLAFAXINE BENZOATE	
	62	ESOMEPRazole MAGNESIUM DIHYDRATE	
	63	OLMESARTAN MEDOXOMIL	
	64	FENOFIBRATE	
	65	DESLOTRADINE	
	66	LANSOPRAZOLE	
	67	PROGLUMETACIN MALEATE	
	68	CYCLOSERINE	
	69	RITONAVIR	
G	70	R&d Pilot plant Trial Run Products (Bulk Drugs and Intermediates)	30

Production Details as per F. No. J-11011/131/2012 - IA II (I) dated 04/02/2015

Group	Sr. No	Final Name of Product List	Total Production (TPA)
A	Category - I		800
	1	1-(3-Chlorophenyle)-4-(3-Chloropropyle)Piperazine Hydrochloride	
	2	1-[4-Chlorophenyl](Pehnyl)Methyl] Piperazine	
	3	1-Chloro-4-[Chloro(Phenyl)Methyle]Benzene	
	4	(4-Chlorophenyl)(Phenyl) Methanol	
	5	2-Benzhydrylsulphinylicetic acid	
	6	S-(+)-2-Aminobutramide Hydrochloride	
B	Category - II		200
	7	1-Amino Indane	
	8	Lacosamide	
	9	4-Imino-3-Amino Rifamycin-S	
	10	Amisulpride	
	11	Flupirtine Maleate	
	12	Quetiapine Fumarate	
	13	Atorvastatin Calcium	
	14	Simvastatin	
	15	Desvenlafaxine Succinate	
	16	Desvenlafaxine Benzoate	
	17	Prasugrel Hydrochloride	
	18	Ilaprazole	
	19	Eslicarbazepine Acetate	
	20	Fenofibrate	
	21	Aripiprazole	
C	Category - III		300
	22	Levetiracetam	
	23	Ranolazine	
	24	Duloxetine Hydrochloride	
	25	Irbesartan	
	26	Venlafaxine Hydrochloride	
	27	Pentoprazole Sodium	
	28	Amlodipine Besylate	
	29	Levofloxacin	
	30	Esomeprazole Magnesium	
	31	Pregabalin	
	32	Olmesartan Medoxomil	
	33	Candesartan Cilexetil	
	34	Iloperidone	
	35	Febuxostat	
	36	Proglumetacin Maleate	
	37	Nimorazole	
	38	Entacapone	
	39	Itopride Hydrochloride	
	40	Etiracetam	
	41	Rivastigmine	

	42	Efletirizine	
	43	Carvedilol	
	44	Rasagiline Mesylate	
	45	Pramipexole Dihydrochloride	
	46	Flupirtine Base	
	47	Trimethobenzamide Hydrochloride	
	48	Fasudil Hydrochloride	
	49	Ramosetrone Hydrochloride	
	50	Lurasidone Hydrochloride	
	51	Cicletanine Hydrochloride	
	52	Celecoxib	
	53	Omeprazole Magnesium	
	Category - IV		
D	54	Clopidotrel Bisulfate	80
	55	Desloratadine	
	56	Sevelamer Carbonate	
	57	Clindamycin Palmitate Hydrochloride	
	58	Armodafinil	
	59	Azithromycin Monohydrate	
	60	Sertraline Hydrochloride	
	61	Lansoprazole	
	62	Diacerein	
	63	Memantine Hydrochloride	
	64	Eszopiclone	
	65	Tolterodine Tartrate	
	66	Dronedaron Hydrochloride	
	67	Fexofenadine Hydrochloride	
	68	Trazodone Hydrochloride	
	69	Conivaptan Hydrochloride	
	70	Mirabegron	
	71	Efavirenz	
	72	Telmisartan	
	73	Pioglitazone Hydrochloride	
E	74	Emtricitabine	100
	75	Mesalamine	
	76	Ziprasidone Hydrochloride	
	77	Bazedoxifene Acetate	
	78	Rabeprazole Sodium	
	79	Nabumetone	
	80	Naftopidil	
	81	Tenofovir Disoproxil Fumarate	
	82	Ritonavir	
	83	R & D Pilot Plant Trial Run Products (Bulk Drugs and Intermediates)	

**LUPIN LIMITED, DABHASA
COMPLIANCE REPORT**

Annexure 2

[PERIOD Apr-22 to Sep-22]

ENVIRONMENT CLEARANCE F. No. J-11011/131/2012- IA II (I)

DATED 04.02.2015



Sr. NO.	CONDITIONS	COMPLIANCE
A	SPECIFIC CODITIONS:	
i)	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended time to time shall be followed by the unit.	<p>COMPLIED.</p> <p>Applicable Condition of National Emission Standards for Organic Chemicals Manufacturing Industry, G.S.R. 608(E) dated 21st July, 2010 are followed.</p> <p>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.</p> <p>At the outlet of premises guard pond has been constructed to control and prevent contaminated water (if any) to flow outside the premises & return back to ETP.</p>
ii)	Stack of adequate height shall be provided to oil fired boiler 4, boiler 5 and thermic fluid heater (TFH-2) to disperse waste gases into atmosphere as per CPCB/SPCB guidelines.	<p>COMPLIED.</p> <p>Adequate stack height is provided for currently installed TFH and boilers. They are having stack height of 30 & 38 meters respectively. Boiler 4 & 5 are not yet installed. The stack heights as mentioned in REIA will be provided when stacks for proposed boilers are installed.</p>
iii)	Scrubber shall be provided to control process emissions viz. HCl, SO ₂ , NH ₃ , NO, Bromine and Ethyl Chloride. The scrubbing media shall be sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards.	<p>COMPLIED.</p> <p>Adequate number of scrubbers provided to control process emissions. Effluent generated from scrubber is sent to ETP. We ensure that all gaseous emissions & particulate matters from process units conform to the standards as laid down by the concerned authorities. Further, on-line pH meters on scrubbers have been installed for better control on pH of scrubber media. Scrubber monitoring data by MoEF&CC approved laboratory along with summary is attached as Annexure-A</p>
iv)	Ambient air quality data shall be collected as per NAAQES standards notified by the Ministry vide G.S.R. No. 826(E) dated 16th	<p>COMPLIED.</p> <p>Ambient air quality monitoring in the company is being carried out by MoEF&CC</p>

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	<p>September, 2009. The levels of PM2.5, PM10, SO2, NOx, VOC, CO, NH3 and HCl shall be monitored in the ambient air and emissions from the stacks and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the Gujarat Pollution Control Board (GPCB).</p>	<p>approved laboratory. Ambient air monitoring data by MoEF&CC approved laboratory along with summary is attached as Annexur-B</p> <p>We have also installed the continuous ambient air quality monitoring station.</p> <p>Annexure-B: Photograph of Ambient Air Quality Monitoring Station.</p>
v)	<p>In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits stipulated by the GPCB.</p>	<p>COMPLIED.</p> <p>All majority of chemicals are transferred through closed loop systems. Controlling measures such as vent condensers, scrubbing mechanism are installed in manufacturing processes.</p> <p>Following steps have been taken to control the fugitive emissions:</p> <ol style="list-style-type: none"> 1. All the equalisation tanks are covered from top and scrubber mechanism is provided. 2. High pressure Odour suppressant system is provided on bioreactors & sludge handling areas. 3. Underground high COD open tanks are demolished and replaced with above ground high COD (closed) tanks. 4. All solvents are handled in close system. 5. All reactors have double stage condensers. 6. All pumps & pipelines are maintained as per preventive schedule and checked periodically and whenever required. 7. Breather valves, Flame arrestors & vent condensers have been provided for solvent storage tanks. <p>Fugitive emissions in the work area are regularly monitored.</p> <p>Work Area monitoring data is attached as Annexure-C</p>

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		Annexure-C: Photograph of Equalisation tank covered & provided with Scrubber mechanism, Odour suppressant system (fugitive emissions), Above ground high COD (closed) tanks, Flame Arrestor & Vent condensers.
vi)	For further control of fugitive emissions, following steps shall be followed : 1. Closed handling system shall be provided for chemicals. 2. Reflux condenser shall be provided over reactor. 3. System of leak detection and repair of pump/pipeline based on preventive maintenance. 4. The acids shall be taken from storage tanks to reactors through closed pipeline. Storage tanks shall be vented through trap receiver and condenser operated on chilled water. 5. Cathodic protection shall be provided to the underground solvent storage tanks.	COMPLIED. For further control of fugitive emissions, following steps followed; Closed handling system provided for chemicals. Reflux condenser provided over reactor. System of leak detection and repair of pump/pipeline based on preventive maintenance. The acids taken from storage tanks to reactors through closed pipeline. Storage tanks vented through trap receiver and condenser operated on chilled water.
vii)	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	COMPLIED. Stack of adequate height are provided for DG Sets. Installed acoustic enclosures for DG Sets. Stack height of 1010 KVA is 30 meters, while 320 KVA & 600 KVA is 10 meters. Annexure-D: Photograph of Acoustic enclosure of D. G. Set.
viii)	Solvent management shall be carried out as follows : 1. Reactor shall be connected to chilled brine condenser system. 2. Reactor and solvent handling pump shall have mechanical seals to prevent leakages. 3. The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery. 4. Solvents shall be stored in a separate space specified with all safety measures.	COMPLIED. The company have taken following steps for solvent management: <ul style="list-style-type: none"> Reactors are connected with double-stage condensers; the vent condensers are supplied with chilled brine / chilled water to minimize vapour loss. All solvent handling pumps with mechanical seal have been installed. All condensers with sufficient HTA & residence time are provided. All solvents are stored separately in dedicated tank farms having all safety precautions.

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	<p>5. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.</p> <p>6. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.</p> <p>7. All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.</p>	<ul style="list-style-type: none"> • Proper earthing is provided in all the electrical equipment wherever solvent handling is done. • Plant equipment, including tank farms are flame-proof, breather valve are provided on solvent tanks. • Solvent storage tank are connected with vent condenser with chilled brine circulation.
ix)	Total fresh water requirement from ground water source shall not exceed 711m ³ /day and prior permission shall be obtained from the CGWA/SGWA and prior permission shall be obtained from the CGWA/SGWA.	<p>COMPLIED.</p> <p>Renewal of NOC for withdrawal of groundwater received through letter no. CGWA/NOC/IND/REN/2/2022/7163 dated <u>25.08.2022</u> valid upto <u>05.07.23</u>. Copy of CGWA NOC as Annexure-Q.</p> <p>Fresh water consumption from <u>Apr 22 to Sep 22</u> is <u>240.23 m³/day</u>.</p>
x)	The Company shall ensure zero liquid effluent discharge from the entire unit after expansion through the treatment scheme comprising segregation of effluent streams into high COD/TDS and low COD/TDS effluent stream, MEE, biological treatment, RO etc. Condensate and recover water will be recycled/reused within factory premises.	<p>COMPLIED.</p> <p>Zero Liquid Discharge implemented & same is in regular operation. It consists of RO, MEE, ATFD. Recovered water is recycled & reused back in utilities.</p> <p>Annexure-E: Photograph of Reverse Osmosis (RO) & Multi-Effect Evaporator (MEE).</p>
xi)	'Zero' effluent discharge shall be adopted and no effluent shall be discharged outside the premises.	<p>COMPLIED.</p> <p>Effluent is treated in ETP followed by RO, MEE and ATFD. Recovered water is recycled and reused in utilities.</p>
xii)	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	<p>COMPLIED.</p> <p>All domestic & storm water drains have been segregated.</p> <p>Guard Pond constructed wherein the storm drain passes through the same.</p> <p>Annexure-F: Photograph of Guard pond at the final outlet of storm drain.</p>
xiii)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm. Solvent transfer shall be by pumps.	<p>COMPLIED.</p> <p>Hazardous chemicals are stored in tanks, tank farms, drums, carboys, etc. with adequate precautions. Flame arresters provided on tank farm. Solvents are transferred through pumps.</p>

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		Annexure-G: Photograph of flame arresters on storage tanks.
xiv)	As proposed, process organic residue and spent carbon shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF. The ash from boiler shall be sold to brick manufacturers/cement industry.	COMPLIED. Process organic waste & spent carbon are sent to cement industries / TSDF / waste mixing facility authorised by SPCB. ETP sludge, process-inorganic salts and ATFD salts are sent to TSDF. As applied in letter dated 14.09.15, we do not have a coal fuel boiler, hence fly ash from boiler to brick manufacturer is not applicable. Manifest copy of waste disposal dtd. 05.09.2022 (for the said period) is enclosed here as Annexure-H .
xv)	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes and prior permission from GPCB shall be obtained for disposal of solid / hazardous waste in the TSDF. Measures shall be taken for fire fighting facilities in case of emergency.	COMPLIED. Combined consent & amended received on 17.01.22 CCA- No. 116430, valid till 30.09.2025. CCA copy attached Annexure-I Fire hydrant & sprinkler system installed for firefighting in case of emergency.
xvi)	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	COMPLIED.
xvii)	Fly ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing alongwith the storm water. Direct exposure of workers to fly ash & dust should be avoided.	This Point is not applicable to us as we do not have coal fired boiler.
xviii)	The company shall undertake following waste minimization measures :- a. Metering and control of quantities of active ingredients to minimize waste.	COMPLIED. The company has active program for waste minimization like maximizing reuse of solvents in processes, metering of

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	<p>b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</p> <p>c. Use of automated filling to minimize spillage.</p> <p>d. Use of Close Feed system into batch reactors.</p> <p>e. Venting equipment through vapour recovery system.</p> <p>f. Use of high pressure hoses for equipment cleaning to reduce wastewater generation.</p>	quantities of active ingredients, closed feed systems, etc.
xix)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	<p>COMPLIED.</p> <p>All precautions with respect to fire prevention & control are taken at site. We have ensured hazardous area classification, earthing, bonding, procedure control and training. Robust & full fledged firefighting system is in place to control any emergencies at site.</p>
xx)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. Occupational health section to be strengthening by employing a full time Doctor.	<p>COMPLIED.</p> <p>Occupational health surveillance of the workers (Annual medical checkup and pre-employment medical checkup) is carried out on a regular basis as per section-41-C of the Factories Act and Rule-68-T of Gujarat Factories Rules and records are maintained. Sample copy of health report is attached for reference as Annexure-J.</p> <p>Company has a manned OHC along with full time doctor (FMO) for occupational health surveillances.</p> <p>Annexure-J: Photograph of OHC facility.</p>
xxi)	Greenbelt around process area to be increased. As proposed, green belt over 33 % of the total project area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	<p>COMPLIED.</p> <p>We have developed Greenbelt in the facility and the same is being consistently strengthened. An area of 33% is allocated for the same.</p> <p>Annexure-K: Photograph of green belt.</p>
xxii)	All the commitment made regarding issues raised during the Public Hearing/	COMPLIED.

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	consultation meeting held on 17th January, 2014 shall be satisfactorily implemented.	<p>Lupin is committed to enhance the regional development by focussing on CSR activities. The same shall be continued further. Employment direct / indirect is also done from the nearby village.</p> <p>In the public hearing /consultation, there were no direct commitments required on Lupin part. The outcomes were generalistics wherein it is discussed about CSR activities, employment and improvement in surrounding area in terms of infrastructure for Education, Fire station, Hospital, water availability, etc.</p> <p>Status of public hearing commitment already submitted earlier along with EC compliance report.</p> <p>Annexure-L: Photograph of CSR activities</p>
xxiii)	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.	<p>COMPLIED.</p> <p>The company is obligated to spend a percentage of its net profit on CSR activities. This allocated amount is utilized in CSR activities all across the country. The amount spent for CSR for the year 2021-22 in Rs. 339.9 Million. We have initiated various projects from this fund and continued further.</p>
xxiv)	For rain water harvesting from roof top a separate drain line may be constructed upto the recharge well. The Company may also explore the possibility of providing surface water storage to the extent possible for their process use.	<p>COMPLIED.</p> <p>Roof top rain water harvesting has already been implemented at site. The rain water is collected, screened / filtered and recharged.</p> <p>Additionally rain water harvesting has been done in the surrounding area villages.</p> <p>Annexure-M: Photograph of surrounding villages rain water harvesting.</p> <ol style="list-style-type: none"> 1. RanuKanya School – Roof Water 2. Dabhasa English School – Roof Water 3. Ground Water Recharge well in Chittral Lake 4. Ground Water Recharge well in Umraya Lake 5. Ground Water Recharge well in Dabhasa Lake

LUPIN LIMITED, DABHASA
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[PERIOD Apr-22 to Sep-22]
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DATED 04.02.2015



		6. Check Dam in Shanpur village
xxv)	The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/ procedure to being into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	COMPLIED. The company gives maximum importance to regulatory compliance, and the same is demonstrated in EHS policy signed by the Managing Director attached as Annexure-N . We have implemented International Sustainability Rating System (ISRS) at our site for strengthening of EHS management system further.
xxvi)	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	This point is not applicable as no housing colony proposed at project site.
	GENERAL CONDITIONS:	
i)	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any other statutory authority.	Noted. All the recommendations of Gujarat Pollution Control Board shall be adhered during the implementation phase of project.
ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional	Noted. For any further expansion prior permission will be taken and there is no deviations or alterations in the project proposal.

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	environmental protection measures required, if any.	
iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the Gujarat Pollution Control Board (GPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	<p>COMPLIED.</p> <p>Ambient air quality is monitored regularly and the same shall be continued. The reports of the same are submitted to GPCB, CPCB and Ministry of Environment, Forest & Climate change. We have also installed the continuous ambient air quality monitoring station.</p> <p>Ambient air monitoring data by MoEF&CC approved laboratory along with summary is attached as Annexure-B</p>
iv)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	<p>COMPLIED.</p> <p>The overall noise levels in and around the plant area is kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation.</p> <p>The ambient noise levels is under the standards prescribed under Environment Protection act, 1986 Rules, 1989 viz. 75 dBA (day time) & 70 dBA (night time).</p> <p>Equipments generating high noise are equipped with Acoustic enclosures; regular maintenance, lubrication and vibration pads are assured for such sources.</p> <p>Noise monitoring data by MoEF&CC approved laboratory is attached as Annexure-D</p>
v)	The Company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	<p>COMPLIED.</p> <p>Roof top rain water harvesting has already been implemented at site. The rain water is collected, screened / filtered and recharged.</p> <p>Additionally rain water harvesting has been done in the surrounding area villages.</p> <p>Annexure-M: Photograph of surrounding villages rain water harvesting system.</p>

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COMPLIANCE REPORT
[PERIOD Apr-22 to Sep-22]
ENVIRONMENT CLEARANCE F. No. J-11011/131/2012- IA II (I)
DATED 04.02.2015



		<ol style="list-style-type: none"> 1. RanuKanya School – Roof Water 2. Dabhasa English School – Roof Water 3. Ground Water Recharge well in Chittral Lake 4. Ground Water Recharge well in Umraya Lake 5. Ground Water Recharge well in Dabhasa Lake 6. Check Dam in Shanpur village
vi)	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.	<p>COMPLIED.</p> <p>Transferring of materials is done by fixed pipelines from tanks and flexible pipeline for drums. However, during any spillage adequate provision are done to prevent the material from mixing with storm water drains.</p> <p>All domestic & storm water drains have been segregated. Guard Pond constructed wherein the storm drain passes through the same.</p> <p>Annexure-F: Photograph of Guard pond at the final outlet of storm drain.</p>
vii)	Usage of Personnel Protection Equipments by all employees/ workers shall be ensured.	<p>COMPLIED.</p> <p>Personnel protective equipment are provided to all persons, wherever applicable.</p>
viii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	<p>COMPLIED.</p> <p>Training is imparted regularly to all employees for safety and health aspects of chemicals handling, firefighting etc. Mock drill is also carried out at regular interval. Training records of the same are maintained.</p> <p>Pre-employment and routine periodical medical examinations for all employees and workers are carried out on regular basis and medical records are maintained. Sample copy of health report is attached for reference as Annexure-J.</p>
ix)	The company shall also comply with all the environmental protection measures and safeguards proposed in the project report	<p>COMPLIED.</p> <p>We are committed to comply all the environmental protection measures and</p>

LUPIN LIMITED, DABHASA
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[PERIOD Apr-22 to Sep-22]
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DATED 04.02.2015



	submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	safeguards during proposed expansion. EMP, Risk mitigation measures, recommendations in RIEA and points of public hearing proceedings are compiled and reviewed at regular intervals.
x)	The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.	COMPLIED. The company is obligated to spend a percentage of its net profit on CSR activities. This allocated amount is utilized in CSR activities all across the country. The amount spent for CSR for the year 2021-22 in Rs. 339.9 Million. We have initiated various projects from this fund and continued further.
xi)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	COMPLIED. Eco-developmental measures including community welfare are part of our CSR programme. Annexure-L: Photographs of CSR activities.
xii)	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	COMPLIED. Company has separate Environment Management Cell equipped with full-fledge laboratory facility to carry out environment management & monitoring function. The structural hierarchy of the Environment Management Cell is attached here as Annexure-O.
xiii)	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	COMPLIED. Adequate financial provisions are made to maintain, operate and develop the environmental infrastructure and safe guard.
xiv)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/	COMPLIED. Copies of clearance letter have been send to Collector office, Vadodara, Taluka Development Officer Padra, Gram Panchayat Dabhasa, individuals / NGO from

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	representations, if any, were received while processing the proposal.	whom suggestions / representations were received during public consultation.
xv)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the Gujarat Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Noted. Six monthly Environmental Clearance compliance report is regularly submitted to MoEF Bhopal, GPCB, and CPCB from <u>16.06.15</u> . Copy of Environmental Clearance and latest six monthly compliance status report is available on company website.
xvi)	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the Gujarat Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Bhopal Regional Offices of MoEF by e-mail.	COMPLIED. Environmental Statement have already been submitted on <u>30.08.2022</u> to Gujarat Pollution Control Board for the FY 2021-22. Copy of the same is attached here as Annexure-P .
xvii)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	COMPLIED. The copy of advertisement as published in two newspapers has already been submitted along with first EC compliance report (letter dated 16.05.2015).
xviii)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval	COMPLIED. Construction activities relevant to the project expansion were started in <u>Mar-15</u> .

LUPIN LIMITED, DABHASA
COMPLIANCE REPORT
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	of the project by the concerned authorities and the date of start of the project.	Except few production blocks & utilities, the project has been partially completed till <u>Mar-16</u> . The further requirements / expansions are market driven and may be establish as per the demand and with the EC validation period.
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The following documents are attached.

- Annexure-A : Summary of Stack Monitoring data with analysis report
- Annexure-B : Summary of Ambient Air Quality Monitoring data with analysis report and photographs
- Annexure-C : Summary of Work Area monitoring data with analysis report and photographs
- Annexure-D : Summary of Noise Monitoring data with analysis report
- Annexure-E : Photographs of ZLD system
- Annexure-F : Photographs of Storm Drain & Guard pond
- Annexure-G : Photographs of Breather Valve and Flame Arresters
- Annexure-H : Copy of Manifest & Photographs of Solid Waster Management
- Annexure-I : Copy of CC&A
- Annexure-J : Photographs of OHC facility at site & copy of periodic health check up report
- Annexure-K : Photographs of Green Belt area
- Annexure-L : Photographs of CSR Activity
- Annexure-M : Photographs of surrounding villages rain water harvesting facilities
- Annexure-N : EHS Policy
- Annexure-O : Organogram of Environment Department
- Annexure-P : Environmental Statement (Form V)
- Annexure-Q : Copy of CGWA NOC

Stack and Process Vent Monitoring Summary and Report

LUPIN LIMITED,DABHASA				
[ANALYSIS DONE BY: M/S POLLUCON LABORATORIES PVT. LTD.,SURAT				
Month	BOILER			
	Boiler No.	SPM(mg/Nm ³)	SO ₂ (ppm)	NO _x (ppm)
Oct-22	5 TPH	65.41	10.7	25.59
Nov-22	5 TPH	70.36	9.29	23.43
Dec-22	2 TPH	74.26	7.56	22.75
Jan-23	5 TPH	68.42	5.48	20.3
Feb-23	5 TPH	62.68	4.56	18.34
	2 TPH	67.52	5.9	20.73
Mar-23	5 TPH	54.52	3.94	16.88
	2 TPH	63.84	4.43	18.58
Minimum		54.52	3.94	16.88
Maximum		74.26	10.70	25.59
Average		65.88	6.48	20.83

Month	PROCESS VENTS			
	Scrubber No.	SO ₂ (mg/Nm ³)	HCL (mg/Nm ³)	NH ₃ (mg/Nm ³)
Oct-22	5	3.93	1.26	
Nov-22	6			13.27
	7		1.54	
Dec-22	5	2.62	1.35	
	10		2.56	
Jan-23	2	2.63	1.68	
	5	3.92	1.76	
	6			11.06
	10		3.42	
Feb-23	2	3.92	1.42	
	5	2.62	1.65	
	6			12.22
	11			18.75
Mar-23	2	2.95	1.22	
	3	4.37	2.62	
	6			14.27
	10		2.85	
Minimum		2.62	1.22	11.06
Maximum		4.37	3.42	18.75
Average		3.37	1.94	13.91



POLLUCON LABORATORIES PVT. LTD.

TEST CERTIFICATE FOR STACK GAS MONITORING

QF/7.8/07-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L 0124**
Issue Date : **17/10/2022**
Customer's Ref. : **P.O.NO 3100223914**
Date: 27.04.2021

STACK DETAILS

Location of Sampling	:	Boiler 5 TPH & Thermic Fluid Heater (TFH) Common Stack			
Stack Height **	:	38 Meter	Stack Dia**	:	0.48 Meter
Date of Sampling	:	10/10/2022	Sampling Procedure	:	As per table
Sampling By	:	Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	:	Stack Gas Monitoring
Sample Receipt Date	:	11/10/2022	Test Method	:	As Per Table
Date of Starting of Test	:	11/10/2022	Lab ID.	:	L/2210/05 [A-C]
Date of Completion	:	13/10/2022	Fuel **	:	LDO
Stack Temperature	:	124 °C	Velocity	:	6.47 m/sec

**Details provided by customer.

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST/SAMPLING METHOD
1	Particulate Matter	mg/Nm ³	65.41	150	IS:11255 (Part-1)
2	Sulfur Dioxide (SO ₂)	ppm	10.70	100	IS:11255 (Part-2)
3	Oxides of Nitrogen (NO _x)	ppm	25.59	50	IS:11255 (Part-7)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025

Results (Particulate Matter) on 11 % O₂ Correction when Oxygen is greater than 11 % and (Sulfur Dioxide & Oxides of Nitrogen) 12 % CO₂ Correction when CO₂ is less than 12 %

Ravi

Ravi Jariwala
Sr. Environmental Scientist

Arun

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB apprved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

"Pollucon House", Plot No.5/6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
Navjivan Circle,Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

**TEST CERTIFICATE FOR STACK GAS MONITORING**

QF/7.8/07-ST

Customer's Name and Address :

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M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L 0139 Issue Date : 15/11/2022 Customer's Ref. : P.O.NO 3100223914 Date: 27.04.2021
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STACK DETAILS

Location of Sampling	:	Boiler 5 TPH & Thermic Fluid Heater (TFH) Common Stack			
Stack Height **	:	38 Meter	Stack Dia**	:	0.48 Meter
Date of Sampling	:	11/11/2022	Sampling Procedure	:	As per table
Sampling By	:	Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	:	Stack Gas Monitoring
Sample Receipt Date	:	12/11/2022	Test Method	:	As Per Table
Date of Starting of Test	:	12/11/2022	Lab ID.	:	L/2211/05 [A-C]
Date of Completion	:	14/11/2022	Fuel **	:	LDO
Stack Temperature	:	128 °C	Velocity	:	6.82 m/sec

**Details provided by customer.

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST/SAMPLING METHOD
1	Particulate Matter	mg/Nm ³	70.36	150	IS:11255 (Part-1)
2	Sulfur Dioxide (SO ₂)	ppm	9.29	100	IS:11255 (Part-2)
3	Oxides of Nitrogen (NO _x)	ppm	23.43	50	IS:11255 (Part-7)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025

Results (Particulate Matter) on 11 % O₂ Correction when Oxygen is greater than 11 % and (Sulfur Dioxide & Oxides of Nitrogen) 12 % CO₂ Correction when CO₂ is less than 12 %**Ravi Jariwala**
Sr. Environmental Scientist**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST CERTIFICATE FOR STACK GAS MONITORING

QF/7.8/07-ST

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L 0147 Issue Date : 15/12/2022 Customer's Ref. : P.O.NO 3100223914 Date: 27.04.2021
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STACK DETAILS

Location of Sampling	:	Boiler 2 TPH & Thermic Fluid Heater (TFH) Common Stack			
Stack Height **	:	30 Meter	Stack Dia**	:	0.45 Meter
Date of Sampling	:	08/12/2022	Sampling Procedure	:	As per table
Sampling By	:	Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	:	Stack Gas Monitoring
Sample Receipt Date	:	09/12/2022	Test Method	:	As Per Table
Date of Starting of Test	:	09/12/2022	Lab ID.	:	L/2212/09 [A-C]
Date of Completion	:	12/12/2022	Fuel **	:	LSHS
Stack Temperature	:	120 °C	Velocity	:	5.86 m/sec

**Details provided by customer.

RESULT TABLE

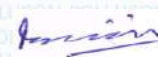
SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST/SAMPLING METHOD
1	Particulate Matter	mg/Nm ³	74.26	150	IS:11255 (Part-1)
2	Sulfur Dioxide (SO ₂)	ppm	7.56	100	IS:11255 (Part-2)
3	Oxides of Nitrogen (NO _x)	ppm	22.75	50	IS:11255 (Part-7)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025

Results (Particulate Matter) on 11 % O₂ Correction when Oxygen is greater than 11 % and (Sulfur Dioxide & Oxides of Nitrogen) 12 % CO₂ Correction when CO₂ is less than 12 %



Ravi Jariwala
Sr. Environmental Scientist



Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR STACK GAS MONITORING

QF/7.8/07-ST

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0005 Issue Date : 26/01/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
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STACK DETAILS

Location of Sampling	:	Boiler 5 TPH & Thermic Fluid Heater (TFH) Common Stack			
Stack Height **	:	38 Meter	Stack Dia**	:	0.48 Meter
Date of Sampling	:	20/01/2023	Sampling Procedure	:	As per table
Sampling By	:	Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	:	Stack Gas Monitoring
Sample Receipt Date	:	21/01/2023	Test Method	:	As Per Table
Date of Starting of Test	:	21/01/2023	Lab ID.	:	L/2301/05 [A-C]
Date of Completion	:	24/01/2023	Fuel **	:	LSHS
Stack Temperature	:	122°C	Velocity	:	6.23 m/sec

**Details provided by customer.

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST/SAMPLING METHOD
1	Particulate Matter	mg/Nm ³	68.42	150	IS:11255 (Part-1)
2	Sulfur Dioxide (SO ₂)	ppm	5.48	100	IS:11255 (Part-2)
3	Oxides of Nitrogen (NO _x)	ppm	20.30	50	IS:11255 (Part-7)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025

 Results (Particulate Matter) on 11 % O₂ Correction when Oxygen is greater than 11 % and (Sulfur Dioxide & Oxides of Nitrogen) 12 % CO₂ Correction when CO₂ is less than 12 %


Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR STACK GAS MONITORING

QF/7.8/07-ST

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD.

BLOCK NO. 21, VILLAGE DABHASA,

TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L/23/0016**

Issue Date : **28/02/2023**

Customer's Ref. : **P.O.NO 3100250519**
Date: 21.04.2022

STACK DETAILS

Location of Sampling	:	Boiler 2 TPH & Thermic Fluid Heater (TFH) Common Stack			
Stack Height **	:	30 Meter	Stack Dia**	:	0.45 Meter
Date of Sampling	:	23/02/2023	Sampling Procedure	:	As per table
Sampling By	:	Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	:	Stack Gas Monitoring
Sample Receipt Date	:	24/02/2023	Test Method	:	As Per Table
Date of Starting of Test	:	24/02/2023	Lab ID.	:	L/2302/05 [A-C]
Date of Completion	:	27/02/2023	Fuel **	:	LSHS
Stack Temperature	:	122 °C	Velocity	:	5.59 m/sec

**Details provided by customer.

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST/SAMPLING METHOD
1	Particulate Matter	mg/Nm ³	67.52	150	IS:11255 (Part-1)
2	Sulfur Dioxide (SO ₂)	ppm	5.90	100	IS:11255 (Part-2)
3	Oxides of Nitrogen (NO _x)	ppm	20.73	50	IS:11255 (Part-7)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025

Results (Particulate Matter) on 11 % O₂ Correction when Oxygen is greater than 11 % and (Sulfur Dioxide & Oxides of Nitrogen) 12 % CO₂ Correction when CO₂ is less than 12 %

Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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"Pollucon House", Plot No.5/6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

TEST CERTIFICATE FOR STACK GAS MONITORING

QF/7.8/07-ST

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0017 Issue Date : 28/02/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
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STACK DETAILS

Location of Sampling	:	Boiler 5 TPH & Thermic Fluid Heater (TFH) Common Stack			
Stack Height **	:	38 Meter	Stack Dia**	:	0.48 Meter
Date of Sampling	:	23/02/2023	Sampling Procedure	:	As per table
Sampling By	:	Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	:	Stack Gas Monitoring
Sample Receipt Date	:	24/02/2023	Test Method	:	As Per Table
Date of Starting of Test	:	24/02/2023	Lab ID.	:	L/2302/06 [A-C]
Date of Completion	:	27/02/2023	Fuel **	:	LSHS
Stack Temperature	:	124°C	Velocity	:	5.96 m/sec

**Details provided by customer.

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST/SAMPLING METHOD
1	Particulate Matter	mg/Nm ³	62.68	150	IS:11255 (Part-1)
2	Sulfur Dioxide (SO ₂)	ppm	4.56	100	IS:11255 (Part-2)
3	Oxides of Nitrogen (NO _x)	ppm	18.34	50	IS:11255 (Part-7)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025

Results (Particulate Matter) on 11 % O₂ Correction when Oxygen is greater than 11 % and (Sulfur Dioxide & Oxides of Nitrogen) 12 % CO₂ Correction when CO₂ is less than 12 %



Ravi Jariwala
Sr. Environmental Scientist



Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR STACK GAS MONITORING

QF/7.8/07-ST

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0026 Issue Date : 03/04/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
---	--

STACK DETAILS

Location of Sampling	:	Boiler 2 TPH & Thermic Fluid Heater (TFH) Common Stack			
Stack Height **	:	30 Meter	Stack Dia**	:	0.45 Meter
Date of Sampling	:	24/03/2023	Sampling Procedure	:	As per table
Sampling By	:	Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	:	Stack Gas Monitoring
Sample Receipt Date	:	25/03/2023	Test Method	:	As Per Table
Date of Starting of Test	:	25/03/2023	Lab ID.	:	L/2303/05 [A-C]
Date of Completion	:	28/03/2023	Fuel **	:	LSHS
Stack Temperature	:	102 °C	Velocity	:	5.06 m/sec

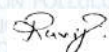
**Details provided by customer.

RESULT TABLE

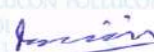
SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST/SAMPLING METHOD
1	Particulate Matter	mg/Nm ³	63.84	150	IS:11255 (Part-1)
2	Sulfur Dioxide (SO ₂)	ppm	4.43	100	IS:11255 (Part-2)
3	Oxides of Nitrogen (NO _x)	ppm	18.58	50	IS:11255 (Part-7)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025

Results (Particulate Matter) on 11 % O₂ Correction when Oxygen is greater than 11 % and (Sulfur Dioxide & Oxides of Nitrogen) 12 % CO₂ Correction when CO₂ is less than 12 %



Ravi Jariwala
Sr. Environmental Scientist



Dr. Arun Bajpai
Lab Manager(Q)

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TEST CERTIFICATE FOR STACK GAS MONITORING

QF/7.8/07-ST

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0027 Issue Date : 03/04/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
---	--

STACK DETAILS

Location of Sampling	:	Boiler 5 TPH & Thermic Fluid Heater (TFH) Common Stack			
Stack Height **	:	38 Meter	Stack Dia**	:	0.48 Meter
Date of Sampling	:	24/03/2023	Sampling Procedure	:	As per table
Sampling By	:	Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	:	Stack Gas Monitoring
Sample Receipt Date	:	25/03/2023	Test Method	:	As Per Table
Date of Starting of Test	:	25/03/2023	Lab ID.	:	L/2303/06 [A-C]
Date of Completion	:	28/03/2023	Fuel **	:	LSHS
Stack Temperature	:	132°C	Velocity	:	5.55 m/sec

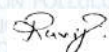
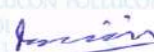
**Details provided by customer.

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST/SAMPLING METHOD
1	Particulate Matter	mg/Nm ³	54.52	150	IS:11255 (Part-1)
2	Sulfur Dioxide (SO ₂)	ppm	3.94	100	IS:11255 (Part-2)
3	Oxides of Nitrogen (NO _x)	ppm	16.88	50	IS:11255 (Part-7)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025

 Results (Particulate Matter) on 11 % O₂ Correction when Oxygen is greater than 11 % and (Sulfur Dioxide & Oxides of Nitrogen) 12 % CO₂ Correction when CO₂ is less than 12 %


Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager(Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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POLLUCON LABORATORIES PVT. LTD.

TEST CERTIFICATE FOR PROCESS STACK MONITORING

QF/7.8/12-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L 0132**
Issue Date : **17/10/2022**
Customer's Ref. : **P.O.NO 3100223914**
Date: **27.04.2021**

STACK DETAILS

Location of Sampling	: Scrubber No.- 5	Sampling Procedure	: As per table
Stack Height **	: 20 Meter	Stack Dia**	: 500 mm
Date of Sampling	: 11/10/2022	Protocol (purpose)	: Stack Gas Monitoring
Sampling by	: Pollucon Laboratories Pvt. Ltd.	Test Method	: As per table
Sample Receipt Date	: 12/10/2022	Lab ID.	: L/2210/13 [A-B]
Date of Starting of Test	: 12/10/2022	Date of Completion	: 14/10/2022

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST / SAMPLING METHOD
1	HCl	mg/Nm ³	1.26	20	USEPA 26 A
2	Sulfur Dioxide (SO ₂)	mg/Nm ³	3.93	40	IS 11255 (Part-2)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.


Ravi Jariwala
Sr. Environmental Scientist


Dr. Arun Bajpai
Lab Manager (Q)

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**TEST CERTIFICATE FOR PROCESS STACK MONITORING**

QF/7.8/12-ST

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD.**BLOCK NO. 21, VILLAGE DABHASA,****TAL: PADRA, DIST: VADODARA.**Test Report No. : **PL/L 0140**Issue Date : **15/11/2022**Customer's Ref. : **P.O.NO 3100223914**
Date: 27.04.2021**STACK DETAILS**

Location of Sampling	: Scrubber No.- 6	Sampling Procedure	: As per table
Stack Height **	: 20 Meter	Stack Dia**	: 500 mm
Date of Sampling	: 12/11/2022	Protocol (purpose)	: Process Stack Monitoring
Sampling by	: Pollucon Laboratories Pvt. Ltd.	Test Method	: As per table
Sample Receipt Date	: 14/11/2022	Lab ID.	: L/2211/06
Date of Starting of Test	: 14/11/2022	Date of Completion	: 15/11/2022

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST/SAMPLING METHOD
1	Ammonia as NH ₃	mg/Nm ³	13.27	175	IS 11255 (Part-6)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.

Ravi Jariwala
Sr. Environmental Scientist**Dr. Arun Bajpai**
Lab Manager (Q)

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**TEST CERTIFICATE FOR PROCESS STACK MONITORING**

QF/7.8/12-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.**BLOCK NO. 21, VILLAGE DABHASA,****TAL: PADRA, DIST: VADODARA.**Test Report No. : **PL/L 0141**Issue Date : **15/11/2022**Customer's Ref. : **P.O.NO 3100223914**
Date: 27.04.2021**STACK DETAILS**

Location of Sampling	: Scrubber No.- 7	Sampling Procedure	: As per table
Stack Height **	: 20 Meter	Stack Dia**	: 500 mm
Date of Sampling	: 12/11/2022	Protocol (purpose)	: Stack Gas Monitoring
Sampling by	: Pollucon Laboratories Pvt. Ltd.	Test Method	: As per table
Sample Receipt Date	: 14/11/2022	Lab ID.	: L/2211/07
Date of Starting of Test	: 14/11/2022	Date of Completion	: 15/11/2022

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST / SAMPLING METHOD
1	HCl	mg/Nm ³	1.54	20	USEPA 26 A

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.

Ravi Jariwala
Sr. Environmental Scientist**Dr. Arun Bajpai**
Lab Manager (Q)

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TEST CERTIFICATE FOR PROCESS STACK MONITORING

QF/7.8/12-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L 0148**
Issue Date : **15/12/2022**
Customer's Ref. : **P.O.NO 3100223914**
Date: 27.04.2021

STACK DETAILS

Location of Sampling	:	Scrubber No.- 5	Sampling Procedure	:	As per table
Stack Height **	:	20 Meter	Stack Dia**	:	500 mm
Date of Sampling	:	09/12/2022	Protocol (purpose)	:	Stack Gas Monitoring
Sampling by	:	Pollucon Laboratories Pvt. Ltd.	Test Method	:	As per table
Sample Receipt Date	:	10/12/2022	Lab ID.	:	L/2212/12 [A-B]
Date of Starting of Test	:	10/12/2022	Date of Completion	:	12/12/2022

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST / SAMPLING METHOD
1	HCl	mg/Nm ³	1.35	20	USEPA 26 A
2	Sulfur Dioxide (SO ₂)	mg/Nm ³	2.62	40	IS 11255 (Part-2)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.

Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR STACK GAS MONITORING

QF/7.8/12-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

 Test Report No. : **PL/L 0149**

 Issue Date : **15/12/2022**

 Customer's Ref. : **P.O.NO 3100223914**
Date: 27.04.2021

STACK DETAILS & RESULT

Location of Sampling	:	Scrubber No. 10	Sampling Procedure	:	As per table
Stack Height **	:	20 Meter	Stack Dia**	:	500 mm
Date of Sampling	:	09/12/2022	Protocol (purpose)	:	Process Stack Monitoring
Sampling by	:	Pollucon Laboratories Pvt. Ltd.	Test Method	:	As per table
Sample Receipt Date	:	10/12/2022	Lab ID.	:	L/2212/13
Date of Starting of Test	:	10/12/2022	Date of Completion	:	12/12/2022

RESULT TABLE

Sr. No.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT [#]	TEST / SAMPLING METHOD
1	HCl	mg/Nm ³	2.56	20	USEPA 26 A

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025

**Details provided by customer.


Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR PROCESS STACK MONITORING

QF/7.8/07-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

 Test Report No. : **PL/L /23/0006**
 Issue Date : **26/01/2023**
 Customer's Ref. : **P.O.NO 3100250519**
Date: 21.04.2022

STACK DETAILS

Location of Sampling	: Scrubber No.-2	Sampling Procedure	: As per table
Stack Height **	: 20 Meter	Stack Dia**	: 200 mm
Date of Sampling	: 20/01/2023	Protocol (purpose)	: Process Stack Monitoring
Sampling by	: Pollucon Laboratories Pvt. Ltd.	Test Method	: As per table
Sample Receipt Date	: 21/01/2023	Lab ID.	: L/2301/06 [A-B]
Date of Starting of Test	: 21/01/2023	Date of Completion	: 23/01/2023

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST / SAMPLING METHOD
1	HCl	mg/Nm ³	1.68	20	USEPA 26 A
2	Sulfur Dioxide (SO ₂)	mg/Nm ³	2.63	40	IS 11255 (Part-2)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.


Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR PROCESS STACK MONITORING

QF/7.8/12-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L/23/0007**
Issue Date : **26/01/2023**
Customer's Ref. : **P.O.NO 3100250519**
Date: **21.04.2022**

STACK DETAILS

Location of Sampling	:	Scrubber No.- 5	Sampling Procedure	:	As per table
Stack Height **	:	20 Meter	Stack Dia**	:	500 mm
Date of Sampling	:	20/01/2023	Protocol (purpose)	:	Stack Gas Monitoring
Sampling by	:	Pollucon Laboratories Pvt. Ltd.	Test Method	:	As per table
Sample Receipt Date	:	21/01/2023	Lab ID.	:	L/2301/07 [A-B]
Date of Starting of Test	:	21/01/2023	Date of Completion	:	23/01/2023

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST / SAMPLING METHOD
1	HCl	mg/Nm ³	1.76	20	USEPA 26 A
2	Sulfur Dioxide (SO ₂)	mg/Nm ³	3.92	40	IS 11255 (Part-2)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.

Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR PROCESS STACK MONITORING

QF/7.8/12-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L/23/0008**
Issue Date : **26/01/2023**
Customer's Ref. : **P.O.NO 3100250519**
Date: **21.04.2022**

STACK DETAILS

Location of Sampling	: Scrubber No.- 6	Sampling Procedure	: As per table
Stack Height **	: 20 Meter	Stack Dia**	: 500 mm
Date of Sampling	: 20/01/2023	Protocol (purpose)	: Process Stack Monitoring
Sampling by	: Pollucon Laboratories Pvt. Ltd.	Test Method	: As per table
Sample Receipt Date	: 21/01/2023	Lab ID.	: L/2301/08
Date of Starting of Test	: 21/01/2023	Date of Completion	: 23/01/2023

RESULT TABLE

S.R. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST/SAMPLING METHOD
1	Ammonia as NH ₃	mg/Nm ³	11.06	175	IS 11255 (Part-6)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.

Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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"Pollucon House", Plot No.5/6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

TEST CERTIFICATE FOR STACK GAS MONITORING

QF/7.8/12-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L/23/0009**
 Issue Date : **26/01/2023**
 Customer's Ref. : **P.O.NO 3100250519**
 Date: **21.04.2022**

STACK DETAILS & RESULT

Location of Sampling :	Scrubber No. 10	Sampling Procedure :	As per table
Stack Height ** :	20 Meter	Stack Dia** :	500 mm
Date of Sampling :	20/01/2023	Protocol (purpose) :	Process Stack Monitoring
Sampling by :	Pollucon Laboratories Pvt. Ltd.	Test Method :	As per table
Sample Receipt Date :	21/01/2023	Lab ID. :	L/2301/09
Date of Starting of Test :	21/01/2023	Date of Completion :	23/01/2023

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT [#]	TEST / SAMPLING METHOD
1	HCl	mg/Nm ³	3.42	20	USEPA 26 A

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025

**Details provided by customer.



Ravi Jariwala
Sr. Environmental Scientist



Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR PROCESS STACK MONITORING

QF/7.8/07-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L /23/0018**
Issue Date : **28/02/2023**
Customer's Ref. : **P.O.NO 3100250519**
Date: 21.04.2022

STACK DETAILS

Location of Sampling	: Scrubber No.-2	Sampling Procedure	: As per table
Stack Height **	: 20 Meter	Stack Dia**	: 200 mm
Date of Sampling	: 23/02/2023	Protocol (purpose)	: Process Stack Monitoring
Sampling by	: Pollucon Laboratories Pvt. Ltd.	Test Method	: As per table
Sample Receipt Date	: 24/02/2023	Lab ID.	: L/2302/07 [A-B]
Date of Starting of Test	: 24/02/2023	Date of Completion	: 27/02/2023

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST / SAMPLING METHOD
1	HCl	mg/Nm ³	1.42	20	USEPA 26 A
2	Sulfur Dioxide (SO ₂)	mg/Nm ³	3.92	40	IS 11255 (Part-2)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.

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Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR PROCESS STACK MONITORING

QF/7.8/12-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L/23/0019**
 Issue Date : **28/02/2023**
 Customer's Ref. : **P.O.NO 3100250519**
Date: 21.04.2022

STACK DETAILS

Location of Sampling :	Scrubber No.- 5	Sampling Procedure :	As per table
Stack Height ** :	20 Meter	Stack Dia** :	500 mm
Date of Sampling :	23/02/2023	Protocol (purpose) :	Stack Gas Monitoring
Sampling by :	Pollucon Laboratories Pvt. Ltd.	Test Method :	As per table
Sample Receipt Date :	24/02/2023	Lab ID. :	L/2302/08 [A-B]
Date of Starting of Test :	24/02/2023	Date of Completion :	27/02/2023

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST / SAMPLING METHOD
1	HCl	mg/Nm ³	1.65	20	USEPA 26 A
2	Sulfur Dioxide (SO ₂)	mg/Nm ³	2.62	40	IS 11255 (Part-2)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.



Ravi Jariwala
Sr. Environmental Scientist



Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR PROCESS STACK MONITORING

QF/7.8/12-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.

BLOCK NO. 21, VILLAGE DABHASA,

TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L/23/0020**

Issue Date : **28/02/2023**

Customer's Ref. : **P.O.NO 3100250519**
Date: 21.04.2022

STACK DETAILS

Location of Sampling	: Scrubber No.- 6	Sampling Procedure	: As per table
Stack Height **	: 20 Meter	Stack Dia**	: 500 mm
Date of Sampling	: 23/02/2023	Protocol (purpose)	: Process Stack Monitoring
Sampling by	: Pollucon Laboratories Pvt. Ltd.	Test Method	: As per table
Sample Receipt Date	: 24/02/2023	Lab ID.	: L/2302/09
Date of Starting of Test	: 24/02/2023	Date of Completion	: 27/02/2023

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST/SAMPLING METHOD
1	Ammonia as NH ₃	mg/Nm ³	12.22	175	IS 11255 (Part-6)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.

Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR PROCESS STACK MONITORING

QF/7.8/12-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

 Test Report No. : **PL/L/23/0021**
 Issue Date : **28/02/2023**
 Customer's Ref. : **P.O.NO 3100250519**
Date: 21.04.2022

STACK DETAILS

Location of Sampling	: Scrubber – 11	Sampling Procedure	: As per table
	: (Block 2 Hydrogenator)		
Stack Height **	: 20 Meter	Stack Dia**	: 80 mm
Date of Sampling	: 23/02/2023	Protocol (purpose)	: Process Stack Monitoring
Sampling by	: Pollucon Laboratories Pvt. Ltd.	Test Method	: As per table
Sample Receipt Date	: 24/02/2023	Lab ID.	: L/2302/10
Date of Starting of Test	: 24/02/2023	Date of Completion	: 27/02/2023

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST/SAMPLING METHOD
1	Ammonia as NH ₃	mg/Nm ³	18.75	175	IS 11255 (Part-6)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.


Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR PROCESS STACK MONITORING

QF/7.8/07-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L /23/0028**
Issue Date : **03/04/2023**
Customer's Ref. : **P.O.NO 3100250519**
Date: 21.04.2022

STACK DETAILS

Location of Sampling	:	Scrubber No.-2	Sampling Procedure	:	As per table
Stack Height **	:	20 Meter	Stack Dia**	:	200 mm
Date of Sampling	:	24/03/2023	Protocol (purpose)	:	Process Stack Monitoring
Sampling by	:	Pollucon Laboratories Pvt. Ltd.	Test Method	:	As per table
Sample Receipt Date	:	25/03/2023	Lab ID.	:	L/2303/07 [A-B]
Date of Starting of Test	:	25/03/2023	Date of Completion	:	28/03/2023

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST / SAMPLING METHOD
1	HCl	mg/Nm ³	1.22	20	USEPA 26 A
2	Sulfur Dioxide (SO ₂)	mg/Nm ³	2.95	40	IS 11255 (Part-2)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.

Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager(Q)

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● GPCB apprved
schedule II auditor

● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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TEST CERTIFICATE FOR PROCESS STACK MONITORING

QF/7.8/12-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.

BLOCK NO. 21, VILLAGE DABHASA,

TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L/23/0029**

Issue Date : **03/04/2023**

Customer's Ref. : **P.O.NO 3100250519**
Date: **21.04.2022**

STACK DETAILS

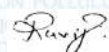
Location of Sampling	:	Scrubber No.- 3	Sampling Procedure	:	As per table
Stack Height **	:	20 Meter	Stack Dia**	:	150 mm
Date of Sampling	:	24/03/2023	Protocol (purpose)	:	Stack Gas Monitoring
Sampling by	:	Pollucon Laboratories Pvt. Ltd.	Test Method	:	As per table
Sample Receipt Date	:	25/03/2023	Lab ID.	:	L/2303/08 [A-B]
Date of Starting of Test	:	25/03/2023	Date of Completion	:	28/03/2023

RESULT TABLE

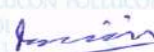
S.R. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST / SAMPLING METHOD
1	HCl	mg/Nm ³	2.62	20	USEPA 26 A
2	Sulfur Dioxide (SO ₂)	mg/Nm ³	4.37	40	IS 11255 (Part-2)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.



Ravi Jariwala
Sr. Environmental Scientist



Dr. Arun Bajpai
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TEST CERTIFICATE FOR PROCESS STACK MONITORING

QF/7.8/12-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

 Test Report No. : **PL/L/23/0030**
 Issue Date : **03/04/2023**
 Customer's Ref. : **P.O.NO 3100250519**
Date: 21.04.2022

STACK DETAILS

Location of Sampling	: Scrubber No.- 6	Sampling Procedure	: As per table
Stack Height **	: 20 Meter	Stack Dia**	: 500 mm
Date of Sampling	: 24/03/2023	Protocol (purpose)	: Process Stack Monitoring
Sampling by	: Pollucon Laboratories Pvt. Ltd.	Test Method	: As per table
Sample Receipt Date	: 25/03/2023	Lab ID.	: L/2303/09
Date of Starting of Test	: 25/03/2023	Date of Completion	: 28/03/2023

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT#	TEST/SAMPLING METHOD
1	Ammonia as NH ₃	mg/Nm ³	14.27	175	IS 11255 (Part-6)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, Valid up to 30/09/2025.

**Details provided by customer.


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Sr. Environmental Scientist

Dr. Arun Bajpai
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TEST CERTIFICATE FOR STACK GAS MONITORING

QF/7.8/12-ST

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

 Test Report No. : **PL/L/23/0031**

 Issue Date : **03/04/2023**

 Customer's Ref. : **P.O.NO 3100250519**
Date: 21.04.2022

STACK DETAILS & RESULT

Location of Sampling	:	Scrubber No. 10	Sampling Procedure	:	As per table
Stack Height **	:	20 Meter	Stack Dia**	:	500 mm
Date of Sampling	:	24/03/2023	Protocol (purpose)	:	Process Stack Monitoring
Sampling by	:	Pollucon Laboratories Pvt. Ltd.	Test Method	:	As per table
Sample Receipt Date	:	25/03/2023	Lab ID.	:	L/2303/10
Date of Starting of Test	:	25/03/2023	Date of Completion	:	28/03/2023

RESULT TABLE

S.R. NO.	TEST PARAMETER	UNIT	RESULTS	GPCB LIMIT [#]	TEST / SAMPLING METHOD
1	HCl	mg/Nm ³	2.85	20	USEPA 26 A

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025

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Ambient Air Monitoring Summary and Report

LUPIN LIMITED,DABHASA STATISTICAL ANALYSIS OF AMBIENT AIR QUALITY MONITORING DATA [ANALYSIS DONE BY: M/S POLLUCON LABORATORIES PVT. LTD.,SURAT]								
Month	Particulate Matter				Particulate Matter			
	PM 10($\mu\text{g}/\text{m}^3$)				PM 2.5($\mu\text{g}/\text{m}^3$)			
	Stn-1	Stn-2	Stn-3	Stn-4	Stn-1	Stn-2	Stn-3	Stn-4
Oct-22	68.58	55.76	61.36	70.28	35.53	31.62	32.83	37.54
Nov-22	74.55	63.63	68.65	82.42	42.45	34.59	38.68	48.67
Dec-22	67.54	58.46	62.32	76.53	37.55	31.58	34.82	43.84
Jan-23	76.87	66.52	70.42	85.25	44.53	36.49	39.27	50.25
Feb-23	68.65	57.67	62.36	76.39	38.37	32.56	35.37	44.27
Mar-23	76.24	64.54	68.33	83.58	41.52	35.66	38.56	47.54
Minimum	67.54	55.76	61.36	70.28	35.53	31.58	32.83	37.54
Maximum	76.87	66.52	70.42	85.25	44.53	36.49	39.27	50.25
Average	72.07	61.10	65.57	79.08	39.99	33.75	36.59	45.35
Month	Sulphur Dioxide SO ₂ ($\mu\text{g}/\text{m}^3$)				Nitrogen Dioxide NO ₂ ($\mu\text{g}/\text{m}^3$)			
	Stn-1	Stn-2	Stn-3	Stn-4	Stn-1	Stn-2	Stn-3	Stn-4
	Stn-1	Stn-2	Stn-3	Stn-4	Stn-1	Stn-2	Stn-3	Stn-4
Oct-22	17.61	21.44	9.48	16.68	26.53	28.64	33.63	36.76
Nov-22	18.51	23.63	12.43	19.53	29.46	32.42	36.46	41.54
Dec-22	15.34	21.31	10.25	17.54	26.58	29.41	32.55	37.55
Jan-23	13.63	17.82	9.66	15.53	23.85	25.48	28.17	34.52
Feb-23	11.94	15.54	8.45	13.62	20.46	22.59	24.36	30.44
Mar-23	13.58	19.27	10.28	16.29	22.63	25.69	27.55	33.44
Minimum	11.94	15.54	8.45	13.62	20.46	22.59	24.36	30.44
Maximum	18.51	23.63	12.43	19.53	29.46	32.42	36.46	41.54
Average	15.10	19.84	10.09	16.53	24.92	27.37	30.45	35.71
Month	Hydrochloric Acid HCL ($\mu\text{g}/\text{m}^3$)				Ammonia NH ₃ ($\mu\text{g}/\text{m}^3$)			
	Stn-1	Stn-2	Stn-3	Stn-4	Stn-1	Stn-2	Stn-3	Stn-4
	Stn-1	Stn-2	Stn-3	Stn-4	Stn-1	Stn-2	Stn-3	Stn-4
Oct-22	ND	ND	ND	ND	ND	ND	ND	ND
Nov-22	ND	ND	ND	ND	ND	ND	ND	ND
Dec-22	ND	ND	ND	ND	ND	ND	ND	ND
Jan-23	ND	ND	ND	ND	ND	ND	ND	ND
Feb-23	ND	ND	ND	ND	ND	ND	ND	ND
Mar-23	ND	ND	ND	ND	ND	ND	ND	ND
Minimum	-	-	-	-	-	-	-	-
Maximum	-	-	-	-	-	-	-	-
Average	-	-	-	-	-	-	-	-
Month	Chlorine CL ₂ ($\mu\text{g}/\text{m}^3$)				Ozone O ₃ ($\mu\text{g}/\text{m}^3$)			
	Stn-1	Stn-2	Stn-3	Stn-4	Stn-1	Stn-2	Stn-3	Stn-4
	Stn-1	Stn-2	Stn-3	Stn-4	Stn-1	Stn-2	Stn-3	Stn-4
Oct-22	ND	ND	ND	ND	18.68	24.46	14.86	16.42
Nov-22	ND	ND	ND	ND	23.42	29.46	18.54	20.65
Dec-22	ND	ND	ND	ND	20.57	26.38	16.83	18.26

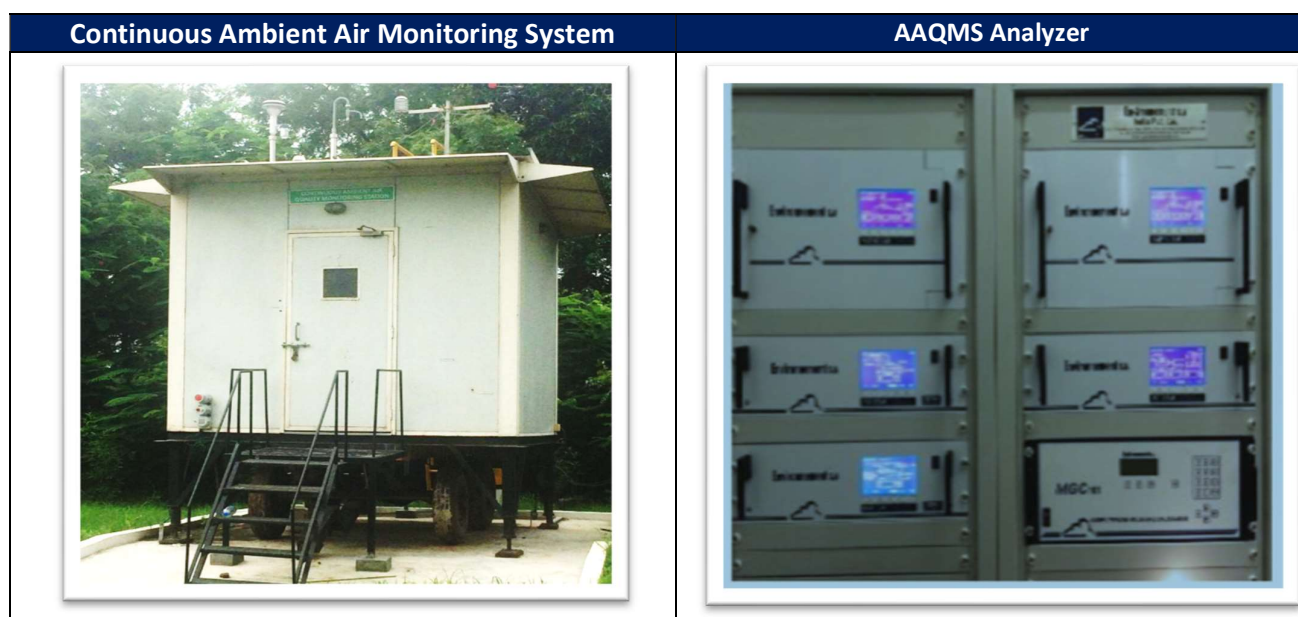
Jan-23	ND	ND	ND	ND	23.12	29.7	19.03	20.64
Feb-23	ND	ND	ND	ND	20.56	25.93	16.86	18.35
Mar-23	ND	ND	ND	ND	22.67	27.62	18.58	2056
Minimum	-	-	-	-	18.68	24.46	14.86	16.42
Maximum	-	-	-	-	23.42	29.70	19.03	2056.00
Average	-	-	-	-	21.50	27.26	17.45	358.39
Month	Lead Pb (µg/m³)				Carbon Monoxide CO (mg/m³)			
	Stn-1	Stn-2	Stn-3	Stn-4	Stn-1	Stn-2	Stn-3	Stn-4
Oct-22	ND	ND	ND	ND	0.48	0.30	0.37	0.23
Nov-22	ND	ND	ND	ND	0.57	0.39	0.48	0.25
Dec-22	ND	ND	ND	ND	0.46	0.32	0.39	0.21
Jan-23	ND	ND	ND	ND	0.55	0.4	0.46	0.27
Feb-23	ND	ND	ND	ND	0.41	0.27	0.34	0.22
Mar-23	ND	ND	ND	ND	0.46	0.32	0.4	0.25
Minimum	-	-	-	-	0.41	0.27	0.34	0.21
Maximum	-	-	-	-	0.57	0.40	0.48	0.27
Average	-	-	-	-	0.49	0.33	0.41	0.24
Month	Benzene C6H6 (µg/m³)				Benzo (a) Pyrene (BaP) Particulate phase only (ng/m³)			
	Stn-1	Stn-2	Stn-3	Stn-4	Stn-1	Stn-2	Stn-3	Stn-4
Oct-22	ND	ND	ND	ND	ND	ND	ND	ND
Nov-22	ND	ND	ND	ND	ND	ND	ND	ND
Dec-22	ND	ND	ND	ND	ND	ND	ND	ND
Jan-23	ND	ND	ND	ND	ND	ND	ND	ND
Feb-23	ND	ND	ND	ND	ND	ND	ND	ND
Mar-23	ND	ND	ND	ND	ND	ND	ND	ND
Minimum	-	-	-	-	-	-	-	-
Maximum	-	-	-	-	-	-	-	-
Average	-	-	-	-	-	-	-	-
Month	Arsenic As (ng/m³)				Nickel Ni (ng/m³)			
	Stn-1	Stn-2	Stn-3	Stn-4	Stn-1	Stn-2	Stn-3	Stn-4
Oct-22	ND	ND	ND	ND	ND	ND	ND	ND
Nov-22	ND	ND	ND	ND	ND	ND	ND	ND
Dec-22	ND	ND	ND	ND	ND	ND	ND	ND
Jan-23	ND	ND	ND	ND	ND	ND	ND	ND
Feb-23	ND	ND	ND	ND	ND	ND	ND	ND
Mar-23	ND	ND	ND	ND	ND	ND	ND	ND
Minimum	-	-	-	-	-	-	-	-
Maximum	-	-	-	-	-	-	-	-
Average	-	-	-	-	-	-	-	-

Station	LOCATIONS	Sampling Date
Stn-1	Main gate terrace	10th Oct-22, 11th Nov-22, 08th Dec-22, 20th Jan-23, 23rd Feb-23, 24th Mar-23
Stn-2	Near S.R.U	10th Oct-22, 11th Nov-22, 08th Dec-22, 20th Jan-23, 23rd Feb-23, 24th Mar-23
Stn-3	New Ware House II (terrace)	10th Oct-22, 11th Nov-22, 08th Dec-22, 20th Jan-23, 23rd Feb-23, 24th Mar-23
Stn-4	E.T.P Terrace	10th Oct-22, 11th Nov-22, 08th Dec-22, 20th Jan-23, 23rd Feb-23, 24th Mar-23

*Stn: Station, ND: Not detected

Note:

- Sampling Duration for Ozone and Carbon monoxide is 1 hr.
- Sampling Duration other than Ozone and Carbon monoxide is 24 hrs.





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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.

BLOCK NO. 21, VILLAGE DABHASA,

TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L 0120**

Issue Date : **17/10/2022**

Customer's Ref. : **P.O.NO 3100223914**
Date: 27.04.2021

Sampling Location	: Main Gate Terrace	GPS Location	: N-22° 15.441' E-73° 02.438'
Date of Sampling	: 10/10/2022	Sampling Procedure	: As per table
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date [^]	: 11/10/2022	Lab ID	: L/2210/01 [A-J]
Date of Starting of Test [^]	: 11/10/2022	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 17/10/2022	Test Method	: As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	68.58	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	35.53	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	17.61	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	26.53	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl - 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	18.68	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.48	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

#limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day, \$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³, Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.

Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD.

BLOCK NO. 21, VILLAGE DABHASA,

TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L 0121**

Issue Date : **17/10/2022**

Customer's Ref. : **P.O.NO 3100223914**
Date: **27.04.2021**

Sampling Location : **New Ware House II (Terrace)**

Date of Sampling : **10/10/2022**

Sampling Procedure : **As per table**

Sampling By : **Pollucon Laboratories Pvt. Ltd.**

Protocol (purpose) : **Ambient Air Quality Monitoring**

Sample Receipt Date[^] : **11/10/2022**

Lab ID : **L/2210/02 [A-J]**

Date of Starting of Test[^] : **11/10/2022**

Sampling Duration : **24 Hrs.**

Date of Completion of Test : **17/10/2022**

Test Method : **As per table**

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	61.36	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	32.83	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	9.48	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	33.63	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl - 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	14.86	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.37	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

#limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day, \$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³, Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.

Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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Customer's Name and Address :

M/s. LUPIN LTD.

BLOCK NO. 21, VILLAGE DABHASA,

TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L 0122**

Issue Date : **17/10/2022**

Customer's Ref. : **P.O.NO 3100223914**
Date: **27.04.2021**

Sampling Location	: S.R.U.-1	GPS Location	: N-22° 15.436' E-73° 02.337'
Date of Sampling	: 10/10/2022	Sampling Procedure	: As per table
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date [^]	: 11/10/2022	Lab ID	: L/2210/03 [A-J]
Date of Starting of Test [^]	: 11/10/2022	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 17/10/2022	Test Method	: As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	55.76	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	31.62	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	21.44	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	28.64	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl - 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	24.46	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.30	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

#limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day, \$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³, Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.

Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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POLLUCON LABORATORIES PVT. LTD.

TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD.

BLOCK NO. 21, VILLAGE DABHASA,

TAL: PADRA, DIST: VADODARA.

Test Report No. : **PL/L 0123**

Issue Date : **17/10/2022**

Customer's Ref. : **P.O.NO 3100223914**
Date: **27.04.2021**

Sampling Location	: ETP Terrace	GPS Location	: N-22° 15.246' E-73° 02.225'
Date of Sampling	: 10/10/2022	Sampling Procedure	: As per table
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date [^]	: 11/10/2022	Lab ID	: L/2210/04 [A-J]
Date of Starting of Test [^]	: 11/10/2022	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 17/10/2022	Test Method	: As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	70.28	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	37.54	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	16.68	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	36.76	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl - 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	16.42	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.23	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

#limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

\$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.

Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

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Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L 0135 Issue Date : 15/11/2022 Customer's Ref. : P.O.NO 3100223914 Date: 27.04.2021
---	---

Sampling Location	: Main Gate Terrace	GPS Location	: N-22° 15.441' E-73° 02.438'
Date of Sampling	: 11/11/2022	Sampling Procedure	: As per table
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date^	: 12/11/2022	Lab ID	: L/2211/01 [A-J]
Date of Starting of Test^	: 12/11/2022	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 15/11/2022	Test Method	: As per table

RESULT TABLE

Sr. No.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT#	LIMIT®	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	74.55	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	42.45	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	18.51	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	29.46	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	23.42	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.57	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

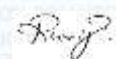
#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

\$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb: 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.


Ravi Jariwala
Sr. Environmental Scientist
Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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 Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L 0136 Issue Date : 15/11/2022 Customer's Ref. : P.O.NO 3100223914 Date: 27.04.2021
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Sampling Location	: New Ware House II (Terrace)	Sampling Procedure	: As per table
Date of Sampling	: 11/11/2022	Sampling By	: Pollucon Laboratories Pvt. Ltd.
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date^	: 12/11/2022	Lab ID	: L/2211/02 [A-J]
Date of Starting of Test^	: 12/11/2022	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 15/11/2022	Test Method	: As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT#	LIMIT®	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	68.65	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	38.68	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	12.43	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	36.46	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ [§]	µg/m ³	18.54	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO [§]	mg/m ³	0.48	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

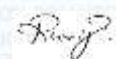
#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^§:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

§: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.


Ravi Jariwala
Sr. Environmental Scientist
Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L 0137 Issue Date : 15/11/2022 Customer's Ref. : P.O.NO 3100223914 Date: 27.04.2021
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Sampling Location	: S.R.U.-1	GPS Location	: N-22° 15.436' E-73° 02.337'
Date of Sampling	: 11/11/2022	Sampling Procedure	: As per table
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date [^]	: 12/11/2022	Lab ID	: L/2211/03 [A-J]
Date of Starting of Test [^]	: 12/11/2022	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 15/11/2022	Test Method	: As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT#	LIMIT®	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	63.63	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	34.59	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	23.63	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	32.42	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	29.46	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.39	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

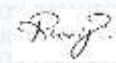
#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

\$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.



Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L 0138 Issue Date : 15/11/2022 Customer's Ref. : P.O.NO 3100223914 Date: 27.04.2021
---	---

Sampling Location	: ETP Terrace	GPS Location	: N-22° 15.246' E-73° 02.225'
Date of Sampling	: 11/11/2022	Sampling Procedure	: As per table
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date [^]	: 12/11/2022	Lab ID	: L/2211/04 [A-J]
Date of Starting of Test [^]	: 12/11/2022	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 15/11/2022	Test Method	: As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	82.42	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	48.67	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	19.53	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	41.54	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ [§]	µg/m ³	20.65	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO [§]	mg/m ³	0.25	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

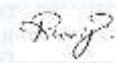
[#]Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, [^]Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

[§]: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

[@]: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.



Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L 0142 Issue Date : 15/12/2022 Customer's Ref. : P.O.NO 3100223914 Date: 27.04.2021
---	---

Sampling Location	: Main Gate Terrace	GPS Location	: N-22° 15.441' E-73° 02.438'
Date of Sampling	: 08/12/2022	Sampling Procedure	: As per table
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date [^]	: 09/12/2022	Lab ID	: L/2212/01 [A-J]
Date of Starting of Test [^]	: 09/12/2022	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 15/12/2022	Test Method	: As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	67.54	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	37.55	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	15.34	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	26.58	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	20.57	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.46	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

#limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

\$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.



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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L 0143 Issue Date : 15/12/2022 Customer's Ref. : P.O.NO 3100223914 Date: 27.04.2021
---	---

Sampling Location : New Ware House II (Terrace)	Sampling Procedure : As per table
Date of Sampling : 08/12/2022	Protocol (purpose) : Ambient Air Quality Monitoring
Sampling By : Pollucon Laboratories Pvt. Ltd.	Lab ID : L/2212/02 [A-J]
Sample Receipt Date [^] : 09/12/2022	Sampling Duration : 24 Hrs.
Date of Starting of Test [^] : 09/12/2022	Test Method : As per table
Date of Completion of Test : 15/12/2022	

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	62.32	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	34.82	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	10.25	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	32.55	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	16.83	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.39	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

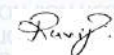
[#]Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^{\$}Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

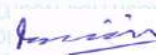
^{\$}: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

[@]: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.


Ravi Jariwala
Sr. Environmental Scientist


Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L 0144 Issue Date : 15/12/2022 Customer's Ref. : P.O.NO 3100223914 Date: 27.04.2021
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Sampling Location	: S.R.U.-1	GPS Location	: N-22° 15.436' E-73° 02.337'
Date of Sampling	: 08/12/2022	Sampling Procedure	: As per table
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date [^]	: 09/12/2022	Lab ID	: L/2212/03 [A-J]
Date of Starting of Test [^]	: 09/12/2022	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 15/12/2022	Test Method	: As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	58.46	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	31.58	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	21.31	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	29.41	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	26.38	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.32	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

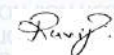
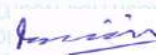
[#]Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^{\$}Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

^{\$}: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

[@]: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb: 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.


Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

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Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L 0145 Issue Date : 15/12/2022 Customer's Ref. : P.O.NO 3100223914 Date: 27.04.2021
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Sampling Location : ETP Terrace	GPS Location : N-22° 15.246' E-73° 02.225'
Date of Sampling : 08/12/2022	Sampling Procedure : As per table
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : Ambient Air Quality Monitoring
Sample Receipt Date [^] : 09/12/2022	Lab ID : L/2212/04 [A-J]
Date of Starting of Test [^] : 09/12/2022	Sampling Duration : 24 Hrs.
Date of Completion of Test : 15/12/2022	Test Method : As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	76.53	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	43.84	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	17.54	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	37.55	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	18.26	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.21	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

\$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.

Ravi Jariwala
Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0001 Issue Date : 26/01/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
---	--

Sampling Location	: Main Gate Terrace	GPS Location	: N-22° 15.441' E-73° 02.438'
Date of Sampling	: 20/01/2023	Sampling Procedure	: As per table
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date [^]	: 21/01/2023	Lab ID	: L/2301/01 [A-J]
Date of Starting of Test [^]	: 21/01/2023	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 26/01/2023	Test Method	: As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	76.87	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	44.53	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	13.63	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	23.85	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	23.12	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.55	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

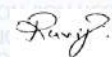
#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

\$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.


Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0002 Issue Date : 26/01/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
---	--

Sampling Location : New Ware House II (Terrace)	
Date of Sampling : 20/01/2023	Sampling Procedure : As per table
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : Ambient Air Quality Monitoring
Sample Receipt Date [^] : 21/01/2023	Lab ID : L/2301/02 [A-J]
Date of Starting of Test [^] : 21/01/2023	Sampling Duration : 24 Hrs.
Date of Completion of Test : 26/01/2023	Test Method : As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	70.42	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	39.27	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	9.66	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	28.17	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	19.03	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.46	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

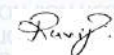
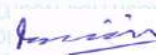
#limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

\$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.


Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0003 Issue Date : 26/01/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
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Sampling Location : S.R.U.-1	GPS Location : N-22° 15.436' E-73° 02.337'
Date of Sampling : 20/01/2023	Sampling Procedure : As per table
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : Ambient Air Quality Monitoring
Sample Receipt Date [^] : 21/01/2023	Lab ID : L/2301/03 [A-J]
Date of Starting of Test [^] : 21/01/2023	Sampling Duration : 24 Hrs.
Date of Completion of Test : 26/01/2023	Test Method : As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	66.52	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	36.49	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	17.82	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	25.48	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	29.70	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.40	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

#limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

\$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.

Ravi Jariwala

Ravi Jariwala
Sr. Environmental Scientist

Arun Bajpai

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0004 Issue Date : 26/01/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
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Sampling Location	: ETP Terrace	GPS Location	: N-22° 15.246' E-73° 02.225'
Date of Sampling	: 20/01/2023	Sampling Procedure	: As per table
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date [^]	: 21/01/2023	Lab ID	: L/2301/04 [A-J]
Date of Starting of Test [^]	: 21/01/2023	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 26/01/2023	Test Method	: As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	85.25	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	50.25	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	15.53	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	34.52	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	20.64	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.27	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

\$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.


Ravi Jariwala
Sr. Environmental Scientist


Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0012 Issue Date : 28/02/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
---	--

Sampling Location	: Main Gate Terrace	GPS Location	: N-22° 15.441' E-73° 02.438'
Date of Sampling	: 23/02/2023	Sampling Procedure	: As per table
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date [^]	: 24/02/2023	Lab ID	: L/2302/01 [A-J]
Date of Starting of Test [^]	: 24/02/2023	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 28/02/2023	Test Method	: As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	68.65	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	38.37	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	11.94	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	20.46	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	20.56	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.41	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

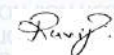
[#]Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^{\$}Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

^{\$}: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

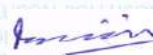
[@]: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.



Ravi Jariwala
Sr. Environmental Scientist



Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0013 Issue Date : 28/02/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
---	--

Sampling Location	: New Ware House II (Terrace)	Sampling Procedure	: As per table
Date of Sampling	: 23/02/2023	Protocol (purpose)	: Ambient Air Quality Monitoring
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Lab ID	: L/2302/02 [A-J]
Sample Receipt Date [^]	: 24/02/2023	Sampling Duration	: 24 Hrs.
Date of Starting of Test [^]	: 24/02/2023	Test Method	: As per table
Date of Completion of Test	: 28/02/2023		

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	62.36	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	35.37	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	8.45	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	24.36	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	16.86	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.34	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

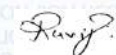
[#]Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^{\$}Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

^{\$}: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

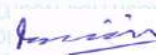
[@]: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.



Ravi Jariwala
Sr. Environmental Scientist



Dr. Arun Bajpai
Lab Manager (Q)

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0014 Issue Date : 28/02/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
---	--

Sampling Location : S.R.U.-1	GPS Location : N-22° 15.436' E-73° 02.337'
Date of Sampling : 23/02/2023	Sampling Procedure : As per table
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : Ambient Air Quality Monitoring
Sample Receipt Date [^] : 24/02/2023	Lab ID : L/2302/03 [A-J]
Date of Starting of Test [^] : 24/02/2023	Sampling Duration : 24 Hrs.
Date of Completion of Test : 28/02/2023	Test Method : As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	57.67	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	32.56	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	15.54	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	22.59	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	25.93	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.27	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

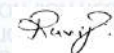
#limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

\$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.


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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0015 Issue Date : 28/02/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
---	--

Sampling Location	: ETP Terrace	GPS Location	: N-22° 15.246' E-73° 02.225'
Date of Sampling	: 23/02/2023	Sampling Procedure	: As per table
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date [^]	: 24/02/2023	Lab ID	: L/2302/04 [A-J]
Date of Starting of Test [^]	: 24/02/2023	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 28/02/2023	Test Method	: As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	76.39	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	44.27	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	13.62	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	30.44	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ [§]	µg/m ³	18.35	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO [§]	mg/m ³	0.22	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

[#]Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, [^]§:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

[§]: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

[@]: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.

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Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
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Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0022 Issue Date : 03/04/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
---	--

Sampling Location : Main Gate Terrace	GPS Location : N-22° 15.441' E-73° 02.438'
Date of Sampling : 24/03/2023	Sampling Procedure : As per table
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : Ambient Air Quality Monitoring
Sample Receipt Date [^] : 25/03/2023	Lab ID : L/2303/01 [A-J]
Date of Starting of Test [^] : 25/03/2023	Sampling Duration : 24 Hrs.
Date of Completion of Test : 29/03/2023	Test Method : As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	76.24	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	41.52	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	13.58	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	22.63	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	22.67	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.46	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

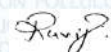

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

\$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.


Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager(Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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● GPCB apprved
schedule II auditor

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD.
**BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.**

Test Report No. : **PL/L/23/0023**

Issue Date : **03/04/2023**

Customer's Ref. : **P.O.NO 3100250519
Date: 21.04.2022**

Sampling Location : New Ware House II (Terrace)	Sampling Procedure : As per table
Date of Sampling : 24/03/2023	Sampling By : Pollucon Laboratories Pvt. Ltd.
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : Ambient Air Quality Monitoring
Sample Receipt Date [^] : 25/03/2023	Lab ID : L/2303/02 [A-J]
Date of Starting of Test [^] : 25/03/2023	Sampling Duration : 24 Hrs.
Date of Completion of Test : 29/03/2023	Test Method : As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	68.33	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	38.56	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	10.28	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	27.55	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	18.58	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.40	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

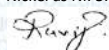
[#]Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^{\$}Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

^{\$}: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

[@]: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.


Ravi Jariwala
Sr. Environmental Scientist


Dr. Arun Bajpai
Lab Manager(Q)

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TEST CERTIFICATE FOR AMBIENT AIR QUALITY MONITORING

QF/7.8/07-AQ

Customer's Name and Address :

Page: 1 of 1

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0024
	Issue Date : 03/04/2023
	Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022

Sampling Location : S.R.U.-1	GPS Location : N-22° 15.436' E-73° 02.337'
Date of Sampling : 24/03/2023	Sampling Procedure : As per table
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : Ambient Air Quality Monitoring
Sample Receipt Date [^] : 25/03/2023	Lab ID : L/2303/03 [A-J]
Date of Starting of Test [^] : 25/03/2023	Sampling Duration : 24 Hrs.
Date of Completion of Test : 29/03/2023	Test Method : As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	64.54	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	35.66	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	19.27	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	25.69	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl - 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	27.62	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.32	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

#limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^\$:Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

\$: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

@: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³,

Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.


Ravi Jariwala
Sr. Environmental Scientist


Dr. Arun Bajpai
Lab Manager(Q)

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QF/7.8/07-AQ

Page: 1 of 1

Customer's Name and Address :

M/s. LUPIN LTD. BLOCK NO. 21, VILLAGE DABHASA, TAL: PADRA, DIST: VADODARA.	Test Report No. : PL/L/23/0025 Issue Date : 03/04/2023 Customer's Ref. : P.O.NO 3100250519 Date: 21.04.2022
---	--

Sampling Location	: ETP Terrace	GPS Location	: N-22° 15.246' E-73° 02.225'
Date of Sampling	: 24/03/2023	Sampling Procedure	: As per table
Sampling By	: Pollucon Laboratories Pvt. Ltd.	Protocol (purpose)	: Ambient Air Quality Monitoring
Sample Receipt Date [^]	: 25/03/2023	Lab ID	: L/2303/04 [A-J]
Date of Starting of Test [^]	: 25/03/2023	Sampling Duration	: 24 Hrs.
Date of Completion of Test	: 29/03/2023	Test Method	: As per table

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULTS	GPCB LIMIT [#]	LIMIT [@]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	83.58	100	100	IS 5182 (Part-23)
2	Particulate Matter (PM _{2.5})	µg/m ³	47.54	60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Oxides of Sulphur as SO ₂	µg/m ³	16.29	80	80	IS 5182 (Part-2)
4	Oxides of Nitrogen as NO ₂	µg/m ³	33.44	80	80	IS 5182 (Part-6)
5	Hydrochloric Acid as HCl	µg/m ³	Not Detected	200	NS*	USEPA 26A & SOP HCl – 01
6	Ammonia as NH ₃	µg/m ³	Not Detected	480	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Chlorine as Cl ₂	µg/m ³	Not Detected	100	NS*	IS 5182 (Part-19)
8	Ozone as O ₃ ^{\$}	µg/m ³	20.56	NS*	180	IS 5182 (Part-9)
9	Lead as Pb	µg/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol.I, NAAQMS/36/2012-13)
10	Carbon Monoxide as CO ^{\$}	mg/m ³	0.25	NS*	4.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Benzene as C ₆ H ₆	µg/m ³	Not Detected	NS*	5.0	IS 5182 (Part-11)
12	Benzo (a) Pyrene (BaP) particulate phase only	ng/m ³	Not Detected	NS*	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Arsenic as As	ng/m ³	Not Detected	NS*	6.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
14	Nickel as Ni	ng/m ³	Not Detected	NS*	20	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)

[#]Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025, ^{\$}Ozone (O₃) sampling duration 1 hrs and sample Analyzed on same Day,

^{\$}: Carbon Monoxide as CO sampling duration 1 hrs. NS*: Not Specified.

[@]: Industrial, Residential, Rural and other Area Notification Dated 18th Nov. 2009 as per national Ambient Air Quality Standards, CPCB New Delhi.

Detection Limit, Lead as Pb : 0.1 µg/m³, Benzene as C₆H₆: 2.0 µg/m³, Benzo (a) Pyrene (BaP) - particulate phase only: 0.5 ng/m³, Arsenic as As: 2.0 ng/m³, Nickel as Ni: 5.0 ng/m³, Hydro Chloric Acid As HCl: 5.0 µg/m³, Chlorine as Cl₂: 15 µg/m³, Ammonia (NH₃): 2.0 µg/m³.

Ravi Jariwala
Ravi Jariwala
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Dr. Arun Bajpai
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Annexure – C

Photographs of in-plant Control Measures for reduce fugitive emission

Odour Mitigation Measures

Covering of Equalization Tanks & Scrubbing Mechanism



Odour Suppressant System



Above Ground Closed High COD Tanks



Scrubber system



Condenser on Storage tank



Primary And Secondary Condensers for VOC control



Work Area Monitoring Reports

SUMMARY OF WORK AREA (In-house) MONITORING DATA [As per Form 37]

Date	Sr. No.	Location/ operation Mentioned	Identified contaminant	Air borne contamination		Average	TWA concentration(As given in II Schedule) PPM	Reference Method	Number of workers exposed at the location being monitored	Remark
				Nos. of samples	Range	PPM				
					PPM					
	1	2	3	4	5	6	7	8	9	10
03.10.22	1	P-2 FF MDC Layer Seperation	MDC	1	5	5	87	OSHA	2	Within range
11.10.22	2	R-803 Acotiamide CF Unloading	IPA	1	5	5	200	TLV	3	Within range
17.10.22	3	Leve-1 room Ethyle acetate	Ethyle Acetate	1	10	10	400	TLV	2	Within range
01.11.22	1	P-2 Plant FF MDC Layer	MDC	1	10	10	87	OSHA	3	Within range
10.11.22	2	P-1 Plant GF Sparkler Cleaning	Methanol	1	20	20	200	TLV	2	Within range
12.11.22	3	Workshop area Welding Cutting	Carbon Monoxide	1	1	1	50	TLV	3	Within range
28.11.22	4	P-1 SRU Tank farm Area	IPA ML	1	5	5	200	TLV	1	Within range
02.12.22	1	PDLab Wash area K Lab- 1	Methanol	1	5	5	200	TLV	2	Within range
11.12.22	2	M-1 Plant GF CF Room Leve	Ethyle Acetate	1	15	15	400	TLV	2	Within range

20.12.22	3	M-2 Plant GF CF Area	IPA	1	5	5	200	TLV	2	Within range
24.12.22	4	P-1 SRU Tank farm Area	IPA	1	5	5	200	TLV	2	Within range
05.01.23	1	M-2 Plant GF CF Area	Ethyle Acetate	1	10	10	400	TLV	2	Within range
09.01.23	2	P-2 Plant FF CF Area	IPA	1	10	10	200	TLV	2	Within range
18.01.23	3	P-1 Plant GF Wash Area Sparkler Cleaning	Methanol	2	20	20	200	TLV	2	Within range
22.01.23	4	Workshop area Welding Cutting	Carbon Monoxide	2	2	2	50	TLV	2	Within range
03.02.23	1	P-1 SRU FF Area	MDC	1	1	12	87	OSHA	2	Within range
14.02.23	2	M-1 Plant GF CF Leve-1	Ethyle Acetate	2	30/15	22.5	400	TLV	2	Within range
22.02.23	3	PDL & ADL wash area GF / FF	Methanol	2	15 / 5	10	200	TLV	2	Within range
03.03.23	1	P-3 PP Area	MDC	1	5	5	87	OSHA	2	Within range
13.03.23	2	P-4 Plant G-1105 & 1107	Acetone	2	25/20	22.5	750	TLV	2	Within range
25.03.23	3	M-1 Plant GF CF Leve-1	Ethyle Acetate	2	28/25	26.5	400	TLV	2	Within range

FORM NO. 37

(Prescribe under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a) (e)

2. Raw material, by-product and finished products involved in the process

Date: March-2023

- ### 3. Particulars of sampling

[illegible]

FORM NO. 37

(Prescribe under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a) (e)

1. Name of the Department / Plant.

2. Raw-material, by-product and finished products involved in the process

Date: January-23

3. Particulars of sampling

Sr. no.	Location/ Operation mentioned	Identified contaminant	Sampling instrument used	Airborne contamination		Average	TWA concentration (as given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letters)
				Number of samples	Range							
1	2	3	4	5	6	7	8	9	10	11	12	13
1)	M-2 Plant G/F Floor CP Area	Ethyl Acetate	VOC Meter	01	10 PPM	10 PPM	400 PPM	TLV	02	With in Range	(Signature)	SANDEEP S. PATIL
2)	P-2 Plant First Floor Reactor Area	IPA	VOC Meter	01	10 PPM	10 PPM	200 PPM	TLV	02	With in Range	(Signature)	SANDEEP S. PATIL
3)	P-1 Plant G/F Wash Area Sparker Area	Methanol	VOC Meter	02	20 PPM	20 PPM	200 PPM	TLV	02	With in Range	(Signature)	SANDEEP S. PATIL
4)	Workshop Area welding activity	Carbon Monoxide	Oxygen Tube	02	02 PPM	02 PPM	50 PPM	TLV	02	With in Range	(Signature)	SANDEEP S. PATIL

FORM NO. 37

(Prescribe under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(a) (e)

1. Name of the Department / Plant.
2. Raw-material, by-product and finished products involved in the process

Date: **NOVEMBER-2022**

3. Particulars of sampling

Sr. no.	Location/ Operation mentioned	Identified contaminant	Sampling instrument used	Airborne contamination		Average	TWA concentration (as given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letters)
				Number of samples	Range							
1	2	3	4	5	6	7	8	9	10	11	12	13
1	P-2 Plant First Floor MDC Layer	MDC	VOC Meter	01	10 PPM	10 PPM	87 PPM (OSHA)	OSHA	03	With In Range	<i>(Signature)</i>	SANDEEP.S. PATIL.
2	P-1 Plant Sparkler clearing GR	Methanol	VOC Meter	01	20 PPM	20 PPM	200 PPM	TLV	02	With In Range	<i>(Signature)</i>	SANDEEP.S. PATIL
3	Workshop area welding activity	Carbon Monoxide	VOC Meter	01	01 PPM	01 PPM	50 PPM	TLV	03	With In Range	<i>(Signature)</i>	SANDEEP.S. PATIL
4	P-1 SRU tank farm area	IPA ML	VOC Meter	01	05 PPM	05 PPM	200 PPM	TLV	01	With In Range	<i>(Signature)</i>	SANDEEP.S. PATIL.

01/11/2022

10/11/2022

12/11/2022

28/11/22

ANNEXURE D

Noise Monitoring Summary and Report

LUPIN LIMITED,DABHASA					
ANALYSIS DONE BY: M/S POLLUCON LABORATORIES PVT. LTD.,SURAT					
Sr. No.	Location	10.10.2022		20.01.2023	
		Day Time Leq dB(A)	Night Time Leq dB(A)	Night Time Leq dB(A)	Night Time Leq dB(A)
1	Near Main Gate	60.9	58.1	56.9	53.2
2	Near QC/QA-2	62.1	60.8	58.3	51.5
3	Near Hydro Generator	65.8	64.7	60	56.1
4	Near Fire Hydrant Tank-2	67.5	63.4	59.1	55.7
5	Near By New Ware House Boundry	64.2	62.2	62.1	58.3
6	Near Utility-2(outside)	71.1	69.1	63.4	59.5
7	Near Store & Admin	61.8	59.7	58.2	52.9
8	Near F.O yard	69.3	67.4	57.7	53.6
9	Near Solvent area	61.4	59.3	55.8	50.4
10	Near D.G Area	65.9	63.4	52.9	49.1
11	Near Boiler,(Outside)	70.2	68.5	66.2	61.6
12	Near M1,M2,M3	65.5	62.2	65	59.3
13	Near Decanter	63.1	61.9	58.3	54.5
14	Near ETP Entrance	68.4	64.4	56.2	52.1
15	Near S.R.U-1	69.3	65.8	62.5	57.4

Acoustic Enclosures of DG Set





POLLUCON LABORATORIES PVT. LTD.

TEST CERTIFICATE FOR AMBIENT NOISE LEVEL MONITORING

Customer's Name and Address :

QF/7.8/07-EX

Page: 1 of 1

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

Test Report No : **PL/L 0130**
Issue Date : **17/10/2022**
Customer's Ref. : **P.O.NO 3100223914**
Date: 27.04.2021

Date of Sampling : **10/10/2022**
Sampling by : **Pollucon Laboratories Pvt. Ltd.**
Sampling Location : **As per table**
Test Method : **IS 9876 / IS 9989**

RESULT TABLE

SR. NO.	NAME OF THE LOCATION	OBSERVATION
		Day Time Leq dB(A)
1	Boiler (In side)	60.8
2	Boiler closed cabinet	55.1
3	Utility Block – 1 Compressor Area	56.9
4	Utility Block – 1 Nitrogen Compressor Area	54.6
5	Utility Block – 1 Closed cabinet	51.7
6	Utility Block – 2 Compressor Area	57.5
7	Utility Block – 2 Nitrogen Compressor Area	55.4
8	Utility Block – 2 Closed cabinet	52.3
9	DG Room (During DG Running condition)	65.1
10	R.O Plant - Utility Block – 1	56.4
11	E.T.P Blower (Near Fire Pump House)	60.8
12	Utility (Inside)	62.5

1. Day time shall mean from 6.00 a.m. to 10.00 p.m.

Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

"Pollucon House", Plot No.5/6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com



POLLUCON LABORATORIES PVT. LTD.

TEST CERTIFICATE FOR AMBIENT NOISE LEVEL MONITORING

Customer's Name and Address :

QF/7.8/07-EX

Page: 1 of 1

M/s. LUPIN LTD.

BLOCK NO. 21, VILLAGE DABHASA,

TAL: PADRA, DIST: VADODARA.

Test Report No : **PL/L 0131**

Issue Date : **17/10/2022**

Customer's Ref. : **P.O.NO 3100223914**
Date: 27.04.2021

Date of Sampling : **10/10/2022**

Sampling by : **Pollucon Laboratories Pvt. Ltd.**

Sampling Location : **As per table**

Test Method : **IS 9876 / IS 9989**

RESULT TABLE

SR. NO.	NAME OF THE LOCATION	OBSERVATION	
		Day Time Leq dB(A)	Night Time Leq dB(A)
1	Near Main Gate	60.9	58.1
2	Near QC/QA-2	62.1	60.8
3	Near Hydro Generator	65.8	64.7
4	Near Fire Hydrant Tank - 2	67.5	63.4
5	Near By-NW-Boundry	64.2	62.2
6	Near Utility-2 (Outside)	71.1	69.1
7	Near Store & Admin	61.8	59.7
8	Near F.O. Yard	69.3	67.4
9	Near solvent Area	61.4	59.3
10	Near D.G Area	65.9	63.4
11	Near Boiler (Outside)	70.2	68.5
12	Near M1,M2,M3	65.5	62.2
13	Near Decanter	63.1	61.9
14	Near ETP Entrance	68.4	64.4
15	Near S.R.U - 1	69.3	65.8
GPCB Limit as per Ambient Air Quality Standards in respect of Noise for Industrial Area[#]		75 Leq dB[A]	70 Leq dB[A]

1. Day time shall mean from 6.00 a.m. to 10.00 p.m.

2. Night time shall mean from 10.00 p.m. to 6.00 a.m.

[#]Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025.

Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

TEST CERTIFICATE FOR AMBIENT NOISE LEVEL MONITORING

Customer's Name and Address :

QF/7.8/07-EX

Page: 1 of 1

M/s. LUPIN LTD.
BLOCK NO. 21, VILLAGE DABHASA,
TAL: PADRA, DIST: VADODARA.

Test Report No : **PL/L/23/0010**
 Issue Date : **26/01/2023**
 Customer's Ref. : **P.O.NO 3100250519**
Date: 21.04.2022

Date of Sampling : **20/01/2023**
 Sampling by : **Pollucon Laboratories Pvt. Ltd.**
 Sampling Location : **As per table**
 Test Method : **IS 9876 / IS 9989**

RESULT TABLE

SR. NO.	NAME OF THE LOCATION	OBSERVATION
		Day Time Leq dB(A)
1	Boiler (In side)	69.2
2	Boiler closed cabinet	67.3
3	Utility Block – 1 Compressor Area	78.6
4	Utility Block – 1 Nitrogen Compressor Area	71.4
5	Utility Block – 1 Closed cabinet	61.2
6	Utility Block – 2 Compressor Area	60.3
7	Utility Block – 2 Nitrogen Compressor Area	59.2
8	Utility Block – 2 Closed cabinet	58.3
9	DG Room (During DG Running condition)	57.3
10	R.O Plant - Utility Block – 1	56.2
11	E.T.P Blower (Near Fire Pump House)	61.3
12	Utility (Inside)	63.9

1. Day time shall mean from 6.00 a.m. to 10.00 p.m.


Ravi Jariwala
Sr. Environmental Scientist


Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

TEST CERTIFICATE FOR AMBIENT NOISE LEVEL MONITORING

Customer's Name and Address :

QF/7.8/07-EX

Page: 1 of 1

M/s. LUPIN LTD.

BLOCK NO. 21, VILLAGE DABHASA,

TAL: PADRA, DIST: VADODARA.

Test Report No : **PL/L/23/0011**

Issue Date : **26/01/2023**

Customer's Ref. : **P.O.NO 3100250519**
Date: 21.04.2022

Date of Sampling : **20/01/2023**

Sampling by : **Pollucon Laboratories Pvt. Ltd.**

Sampling Location : **As per table**

Test Method : **IS 9876 / IS 9989**

RESULT TABLE

SR. NO.	NAME OF THE LOCATION	OBSERVATION	
		Day Time Leq dB(A)	Night Time Leq dB(A)
1	Near Main Gate	56.9	53.2
2	Near QC/QA-2	58.3	51.5
3	Near Hydro Generator	60.0	56.1
4	Near Fire Hydrant Tank - 2	59.1	55.7
5	Near By-NW-Boundry	62.1	58.3
6	Near Utility-2 (Outside)	63.4	59.5
7	Near Store & Admin	58.2	52.9
8	Near F.O. Yard	57.7	53.6
9	Near solvent Area	55.8	50.4
10	Near D.G Area	52.9	49.1
11	Near Boiler (Outside)	66.2	61.6
12	Near M1,M2,M3	65.0	59.3
13	Near Decanter	58.3	54.5
14	Near ETP Entrance	56.2	52.1
15	Near S.R.U - 1	62.5	57.4
GPCB Limit as per Ambient Air Quality Standards in respect of Noise for Industrial Area*		75 Leq dB[A]	70 Leq dB[A]

1. Day time shall mean from 6.00 a.m. to 10.00 p.m.

2. Night time shall mean from 10.00 p.m. to 6.00 a.m.

#Limit as per Consent Order No. AWH-113866, Dated: 22/07/2021, valid up to 30/09/2025.


Ravi Jariwala
Sr. Environmental Scientist


Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.



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Annexure – E

Photographs of RO & MEE Plant

Zero Liquid Discharge Plant	
Reverse Osmosis Plant	Multi Effect Evaporator
	

Annexure – F

Photographs of Guard Pond & Storm Drain System at Site

Guard Pond for Storm Drain



Sluice Valve at Strategic locations in storm drain



Annexure – G

Photo of Flame Arresters installed on Solvent Storage Tanks

Breather Valves & Flame Arresters installed on Each Tank



Annexure – H

Solid Waste Management & Copy of Manifest for disposal of Haz. & Other Waste

Composter for kitchen & garden waste



Solid Waste management system

Glass Crusher Machine



Bale press-MS Drum



HDPE drum Crusher Machine



Bale press-Plastic





GEO CLEANER LLP [75614]

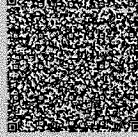
Manifest No:
2042263

22/03/2023

Copy 6

To be forwarded by To be returned by the Operator of the facility to the Occupier after treatment and disposal of hazardous material/waste.

Sender's Details			
Sender Name	Lupin Ltd. (Formerly Novodigm Limited) [22562]		
Address	VILL-DABHASA,- Taluka :PAD District:VAD Pin no:391440		
Contact Details	9879538440	rakeshdave1@lupin.com	GPS Coordinates
	Lat :22.256988378010757		Long :73.03859556487213
Receiver's Details			
State	Gujarat	Type of Facility	Pre- processing
Facility Details	GEO CLEANER LLP [75614]		
Contact Details	760044441	customer@geocleanerlp.com	GPS Coordinates
	Lat :22.500830478887224		Long:73.28062561876436
Address	TOWER H 402, AARUNI RESIDENCY BILL, VILLAGE: BIL, VADODARA ,Survey No. 94, Pratapnagar, Jarod Savali Road, Old Samlaya, Savali 391121, vadodera Taluka :SAV District:VAD Pin no:391410		
Waste Details			
Waste Details	I~28~28.1~Process Residue and wastes		
Waste Intended for	Preprocessing	Total Qty	8.155MT
		Consistency	liquid
Transporter Details			
Name	Swarnim Logistics		
Address	Plot No C/1B/1313 1314,GIDC District :Bharuch Taluka :Bharuch		
	9998792479 swarnimlogistics@gmail.com		
Vehicle Details			
Vehicle no	GJ16W7908 (IMEI No :358980100449470)	GPS Enabled	Yes
Driver name	Jayprakash Yadav	Driver Contact No	9559029233
	Type of Vehicle Truck		
Waste Transportation Details			
Vehicle Depart.	22/03/2023 2:29PM	Number of Drums	40
Remarks	Process residue and waste send to Geo LLP in closed drums through designated truck.		No of bags 0
	Loose Waste		8.155
Sender's Declaration :			
1. I hereby declare that contents of the consignment are fully and accurate described above by proper shipping name and are categorized , packed, marked , and labeled , and are all in all respects in proper condition for transport by road according to applicable national government regulations.			
2. I hereby declare that we have obtained membership of common facility / carried out agreement with actual user for disposal/ actual use of hazardous waste.			
Name and stamp of sender::			
Block No. 21, Village : Dabhasa, Taluka :Padra District:Vadodra, Gujarat, India Tel:01 (82602) 229669, 229671 (2002) 226326			
Date: 22/03/23			
Signature:			
Transporter's Acknowledgement of Receipt of waste			
Stamp:			
Date: 22/03/23			
Signature:			
Receiver's Certification of Receipt of Hazardous waste			
Stamp:			
Date: 22/03/23			
Signature:			



By scanning QR code, copy of transporter will be display. (All copy has same information)



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

BY R.P.A.D.

Consolidated Consent & Authorization (CC&A) Amendment
AWH-116430

NO: GPCB/CCA-VRD-331(16)/ID-22562/

To,
✓ **M/s. Lupin Ltd.**
(formerly Novodigm Limited)
Plot No.21, Vill:Dabhasa,
Tal: Padra, Dist: Vadodara-391440.

Sub: Amendment to Consolidated Consent & Authorization (CC&A) Under Water Act, 1974, Air Act, 1981 And Hazardous And Other Waste (Management And Transboundary Movement) Rules-2016 Framed Under Environment (Protection) Act, 1986.

Ref: 1) Your online CCA- amendment application no. 206139 dtd. 02/11/2021.
2) CCA order no. AWH-113866 dtd.22/07/2021.
3) CTE order No. 116431, dtd 17/01/2022.

Sir,

This has reference to the CCA order no. AWH-113866 dtd.22/07/2021 issued vide letter no. GPCB/CCA-VRD-331(15)/ID:22562/596206 dated 28/07/2021 under the provisions of the Water Act- 1974, Air Act- 1981 and Hazardous And Other Waste (Management And Transboundary Movement) Rules-2016 framed under Environmental (Protection) Act 1986.

The Validity period of the order will be up to 30/09/2025.

Reference to your application no. 206139 dtd. 02/11/2021, 2016, the said CCA order is further amended as under:

1 Product list mentioned at condition no. 2 is amended for addition of following items:

GROUP	Sr. No.	Products	Quantity (MT/Year)
A	CATEGORY: I		10
	1	1-(3-CHLOROPHENYL)-4-(3-CHLOROPROPYL)PIPERAZINE HYDROCHLORIDE	
	2	BRIVARACETAM-VII	
	3	BRIVARACETAM	
	4	ZIPRASIDONE HYDROCHLORIDE	
	5	ILAPRAZOLE	
	6	PRASUGREL HYDROCHLORIDE	
	7	TENOFOVIR DISOPROXIL FUMARATE	

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GROUP	Sr. No.	Products	Quantity (MT/Year)
	8	REMDESIVIR	
	9	METFORMIN HYDROCHLORIDE	
	10	AZITHROMYCIN DIHYDRATE	
	11	4-IMINO-3-AMINO RIFAMYCIN-S / IMINO RIFAMYCIN S	
	12	DROXIDOPA	
	13	MIRABEGRON	
	14	TELMISARTAN	
	15	ILOPERIDONE	
	16	COLESEVELAM HYDROCHLORIDE	
	17	PIOGLITAZONE HYDROCHLORIDE	
	18	DEXLANSOPRAZOLE	
	19	CICLETANINE HYDROCHLORIDE	
	20	RUFINAMIDE	
	21	RIFABUTIN	
	22	RIVAROXABAN	
	23	APREMILAST / APREMILAST (Form-M)	
	24	ZIDOVUDINE	
B	Category : II		690
	25	LEVETIRACETAM	
C	Category : III		125
	26	RIFAXIMIN	
	27	NIMORAZOLE	
	28	QUETIAPINE FUMARATE	
	29	SUCROFERRIC OXYHYDROXIDE	
	30	MOLNUPIRAVIR	
	31	FLUPIRTINE MALEATE	
D	Category : IV		80
	32	MESALAMINE	
	33	ACOTIAMIDE HYDROCHLORIDE HYDRATE	
	34	CARVEDILOL	
	35	VENLAFLAXINE HYDROCHLORIDE	
	36	FEBUXOSTAT	
	37	ATAZANAVIR SULFATE	
	38	BUPROPION HYDROCHLORIDE	
	39	CELECOXIB	
	40	LANTHANUM CARBONATE DIHYDRATE	
	41	DRONEDARONE HYDROCHLORIDE	
	42	LACOSAMIDE	



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GROUP	Sr. No.	Products	Quantity (MT/Year)
	43	FLUPIRTINE BASE	
	44	LURASIDONE HYDROCHLORIDE	
	45	CINACALCET HYDROCHLORIDE	
	46	DABIGATRAN ETEXILATE MESYLATE	
	47	ESLICARBAZEPINE ACETATE	
	48	IRBESARTAN	
	49	OMEPRazole	
E	Category : V		100
	50	PREGABALIN	
	51	METOPROLOL SUCCINATE	
	52	ATORVASTATIN CALCIUM (TRIHYDRATE / AMORPHOUS)	
	53	AMLODIPINE BESYLATE	
	54	FERRIC CITRATE	
F	Category : VI		50
	55	TENELIGLIPTIN HYDROBROMIDE HYDRATE	
	56	AZITHROMYCIN MONOHYDRATE	
	57	SEVELAMER CARBONATE	
	58	SEVELAMER HYDROCHLORIDE	
	59	DESVENLAFAXINE SUCCINATE MONOHYDRATE	
	60	PIRFENIDONE	
	61	DESVENLAFAXINE BENZOATE	
	62	ESOMEPRazole MAGNESIUM DIHYDRATE	
	63	OLMESARTAN MEDOXOMIL	
	64	FENOFIBRATE	
	65	DESLORATADINE	
	66	LANSOPRAZOLE	
	67	PROGLUMETACIN MALEATE	
	68	CYCLOSERINE	
	69	RITONAVIR	
G	70	R & D Pilot Plant Trial Run Products (Bulk Drugs and intermediates)	30
TOTAL QUANTITY			1085

2 The condition no.4.1, 4.2, 4.3 and 4.4 of CCA order are replaced and shall be read as under:-

4.1. The total quantity of the industrial effluent to be generated from the manufacturing process and other ancillary industrial operations shall be not exceed 395 KL/Day.

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GPCB ID:22562

3 of 8

- 4.2. The company shall ensure zero liquid effluent discharge from the entire unit through the treatment scheme comprising segregation of effluent streams into high COD/TDS and low COD/TDS effluent stream, MEE, Biological treatment, RO etc. No effluent shall be discharged outside the plant premises and "Zero" effluent discharge concept will be followed.
- 4.3. The total quantity the domestic wastewater (sewage) shall not exceed 45 KL/Day.
- 4.4. Sewage shall be treated along with industrial wastewater and there shall be no discharge of domestic wastewater outside the premises and shall maintain zero discharge.

- 3 The hazardous waste table mentioned at condition no.6.2 of CCA order is amended/replaced and shall be read as under:

Sr. No	Category of Hazardous waste as per the Schedules	Authorized Mode of disposal	Quantity (MT/Annum)
1.	5.1– Schedule-I (Used Spent Oil)	Generation, Collection, Storage, Transportation, Disposal by selling to registered /authorized refiner having valid CCA of GPCB & Rule-9 permission under HWM Rule-2016 by use of GPS enable vehicle and xgn generated manifest.	12
2	28.1– Schedule-I (Process Residues & Waste)	Generation, Collection, Storage, Transportation & Disposal at common TSDF (Incineration / Land filling) / Sent to cement industry for co-processing / sent to Pre Processor or waste mix facilities having valid CCA of GPCB / Rule-9 permission under HWM Rule-2016 by use of GPS enable vehicle and XGN generated manifest.	6995
	28.1– Schedule-I (Sodium Salts (Nabr, Nacl, Na2so3))		43
	28.1– Schedule-I (Potassium Salts (Kbr, Kcl))		4



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3	28.3- Schedule-I (Spent Carbon)	Generation, Collection, Storage, Transportation & Disposal at common TSDF (Incineration) / sent to cement industry for Co-Processing / sent to Pre Processor or waste mix facilities having valid CCA of GPCB / Rule - 9 permission under HWM Rule-2016 by use of GPS enable vehicle and XGN generated manifest.	918
4	28.2- Schedule-I (Spent Catalyst)	Generation, Collection, Storage, Transportation & Disposal at common TSDF (Incineration) / Off-site recovery at units from where the catalyst is procured / other units doing recovery / Co-Processing in cement industries / sent to pre-processor or waste mix facilities having valid CCA of GPCB / Rule 9 permission under HWM Rule-2016 by use of GPS enable vehicle and XGN generated manifest.	77
5	28.4- Schedule-I (Off Specification Products)	Generation, Collection, Storage, Transportation & Disposal at common TSDF (Incineration) / sent to cement industry for co-processing / sent to Pre-processor or waste mix facilities having valid CCA of GPCB / Rule-9 permission under HWM-2016 by use of GPS enable vehicle and XGN generated manifest.	300

Opheet

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GPCB ID:22562

6	28.6– Schedule-I (Spent Solvents)	Generation, Collection, Storage, Transportation & Disposal at common TSDF (Incineration) / sent to cement industry for co-processing / sent to Pre-processor or waste mix facilities / sent to actual end users having valid CCA of GPCB / Rule 9 permission under HWM rule 2016 by use of GPS enable vehicle and XGN generated manifest.	11529
7 (a)	33.1–Schedule-I (Discarded Containers / Barrels contaminated with hazardous wastes / chemicals)	Generation, Collection, Storage, Transportation & Disposal by selling to registered /authorized re-cycler having valid CCA of GPCB & Rule-9 permission under HWM Rule-2016 or dispose to authorized TSDF having valid CCA of GPCB by use of GPS enable vehicle and xgn generated manifest.	1500 (100000 Nos/Year)
7 (b)	33.1–Schedule-I (Discarded Liners contaminated with hazardous wastes / chemicals)		300
7 (C)	(Other waste (insulation waste, glass wool, Thermocol waste, non-recycle plastic waste/PVC, Rubber waste, glass waste, discarded cementing materials, paint chips/residue, etc.)	Generation, Collection, Storage, Transportation & disposal at common TSDF having valid CCA of GPCB by use of GPS enable vehicle and XGN generated manifest.	400

Outward No:621181,17/01/2017



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

8	33.2-Schedule-I (Contaminated cotton rags or other cleaning materials)	Generation, Collection, Storage, Transportation & Disposal at common TSDF (Incineration) / sent to cement industry for co-processing / sent to Pre-processor or waste mix facilities having valid CCA of GPCB / Rule-9 permission under HWM-2016 by use of GPS enable vehicle and XGN generated manifest.	100
9	35.3 - Schedule-I (Chemical Sludge from wastewater treatment)	Generation, Collection, Storage, Transportation & Disposal at common TSDF / sent to cement industry for co-processing / sent to Pre-processor or waste mix facilities having valid CCA of GPCB / Rule-9 permission under HWM-2016 by use of GPS enable vehicle and XGN generated manifest.	1480
10	35.2-Schedule-I (Spent Ion Exchange resin containing Toxic metals)	Generation, Collection, Storage, Transportation & disposal at common TSDF having valid CCA of GPCB by use of GPS enable vehicle and XGN generated manifest.	0.5
11	B15-Schedule-II (Spent Sulphuric Acid)	Generation, Collection, Storage & treatment in in-house ETP.	45
12	A10-Schedule-II (Liquor Ammonia)	Generation, Collection, Storage, Transportation & sent to cement industry for co-processing / sent to Pre-processor or waste mix facilities having valid CCA of GPCB / Rule 9 permission under HWM Rule - 2016 by use of GPS enable vehicle and XGN generated manifest.	996

D.P. Patel

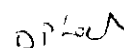
Clean Gujarat Green Gujarat

ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation
GPCB ID:22562

13	35.3 –Schedule-I (ATFD Solids)	Generation, Collection, Storage, Transportation & Disposal at common TSDF / sent to cement industry for co-processing / sent to Pre processor or waste mix facilities having valid CCA of GPCB / Rule-9 permission under HWM Rule-2016 by use of GPS enable vehicle and XGN generated manifest.	2534
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4. All other conditions of CCA order no. AWH-113866 dtd.22/07/2021 issued vide letter no. GPCB/CCA-VRD-331(15)/ID:22562/596206 dated 28/07/2021 shall remain unchanged.

**For and on behalf of
Gujarat Pollution Control Board**



(D.P. Shah)

Senior Environmental Engineer

Outward No:621181,17/01/2022

Annexure – J

Photographs of OHC & Copy of Health Report of Employee



DR. KAILASH AGARWAL

M.B.B.S., D.O.I.H. (General Physician) Consulting Industrial Physician
Registraton No. (G) - 24223, (R) - 016912

PERIODICAL MEDICAL CHECK UP OF EMPLOYEES

EMP CODE : 225709

DATE: 07/10/22

NAME OF EMPLOYEE : Himanshu. Gohil

Designation / Department : Sr. Exe. ETP

DOB: 26/06/1981

Height (cm)

171

Weight (Kgs)

70

Pulse Rate:

70

/Min

SpO2-98

Blood Pressure:

110/70

mm of Hg

SYSTEM EXAMINATION

R.S:

Normal

C.V.S:

Normal

C.N.S:

Normal

Liver/Spleen:

Normal

He/She is suffering from any skin disease, Contagious & Communicable disease

Yes / No

VISION TEST

ACTUAL VISION		RT EYE	LT EYE
Without Glass	Distant	6/6	6/6
	Near	20	20
With Glass	Distant	—	—
	Near	—	—

Colour Vision: Normal

The Employee in Fit / Unfit For Job : fit

Remark: Normal

Advice: —

Signature With Seal

Dr. Kailash Agarwal
M.B.B.S., D.O.I.H.
Reg. No. (R) 016912 (G) 24223

9, Earth Bungalows, Aksharchowk, Nr. ICICI Bank, Old Padra Road, Vadodara. (M) 9824263700



Kalyan Path Laboratory

GF-6, Angan Tower, Opp. Bhavan's School, Makarpura Road, Baroda.
Ph. 0265 - 2634625. Email : kalyanpathlab@gmail.com



Scanned

Name HIMANSHU GOHIL 225709

Date 07/10/2022

Age/Sex M



Ref.By.DR. LUPIN LIMITED

Lab No. LU--0107

HAEMATOLOGY REPORT

INVESTIGATIONS	RESULT	UNITS	REFERENCE RANGE
Heamoglobin	13.1	gm/dl	M : 13.0 - 18.0 , F : 11.5 - 16.5
RBC Count	4.30	/cumm	M:4.6-6.5,F:3.9-5.6
P.C.V	38.74	%	34-54
M.C.V.	90.09	fl	79-101
M.C.H	29.77	pg	26-36
M.C.H.C.	33.04	g/dl	31-37
Total Count(WBC)	5600	/cumm	4000-10500
Differential WBC Count			
Polymorphs	68	%	40-75
Lymphocytes	26	%	20-45
Eosinophils	02	%	1-6
Monocytes	04	%	2-10
Basophils	00	%	0-1
Platelet Count	279	x1000	150 - 400 /cumm
Malarial Parasites	Not Detected	Thick & Thin Smear	

Analysed by Celtec Alpha - Fully Automated Haematology Analyzer from NIHON KOHDEN, JAPAN.

BIOCHEMISTRY

INVESTIGATIONS	RESULT	UNITS	REFERENCE RANGE
Random Blood Sugar	96.0	mg/dl	less than 140
Creatinine	0.99	mg/dl	0.5 - 1.5
S.G.P.T(ALT)	20.0	U/L	5 - 45

Dr Rakesh Sing
M.D.

Dr. Rakesh N. Sing
M.D. Pathology



Kalyan Path Laboratory

GF-6, Angan Tower, Opp. Bhavan's School, Makarpura Road, Baroda.
Ph. 0265 - 2634625. Email : kalyanpathlab@gmail.com



Name MR. HIMANSHU GOHIL 225709
Age/Sex M
Ref.By.DR. LUPIN LIMITED

Date 07/10/2022



Lab No. LU--0107

ROUTINE URINE ANALYSIS

Sample Random

PHYSICAL EXAMINATION

Colour Yellow
Appearance Clear

CHEMICAL EXAMINATION

Protein Absent
Sugar Absent
Ketone Absent
Blood Absent
Bilirubin Absent
Urobilinogen Normal
pH 8.0
Sp. Gravity 1.010
BS & BP NEGATIVE

MICROSCOPIC EXAMINATION(Per hpf)

Epithelial Cells 0 - 2
Pus Cells 0 - 1
Red Blood Cells Absent
Casts Absent
Crystals Absent

(+) Spread imported reagent strip

(+) After centrifugation at 2500 RPM for 10 min

Dr Rakesh Sing
M.D.

Dr. Rakesh N. Sing
M.D. Pathology

Annexure – K

Green Belt Development at site

Green Belt Development



LHWRF activities October 2022 to March 2023



Medical health camp



Farmers' exposure visit



Women exposure visit



International women's day celebration



TB project- X ray screening



Village information center



Support of computer system



Road safety awareness program

Annexure – M

Photographs of Rain Water Harvesting in surrounding villages

Natural Resources Conservation Rain water Harvesting in surrounding villages





ENVIRONMENT, HEALTH, SAFETY AND SUSTAINABILITY POLICY

Lupin (together with our subsidiaries) is committed to high standards of Environmental, Health, Safety and Sustainability (EHS&S) performance. We strive to maximize operational efficiencies while minimizing our impact on the environment and utilize our resources in a judicial manner. As part of our commitment to ensuring a safe and healthy work environment, Lupin actively takes steps to ensure there are no accidents or incidents.

The EHS&S policy is applicable to all our manufacturing facilities, R&D facilities, subsidiaries, JVs, and business operations. We partner with our suppliers, service providers, and contractors to embrace EHS&S processes for improved performance.

This policy is applicable to all Lupin employees, and contractors. They are expected to comply with the requirements stated in this policy.

For the effective implementation of this policy, the leadership and the employees across various locations collaborate and collectively drive the environment, health, safety & sustainability objectives by:

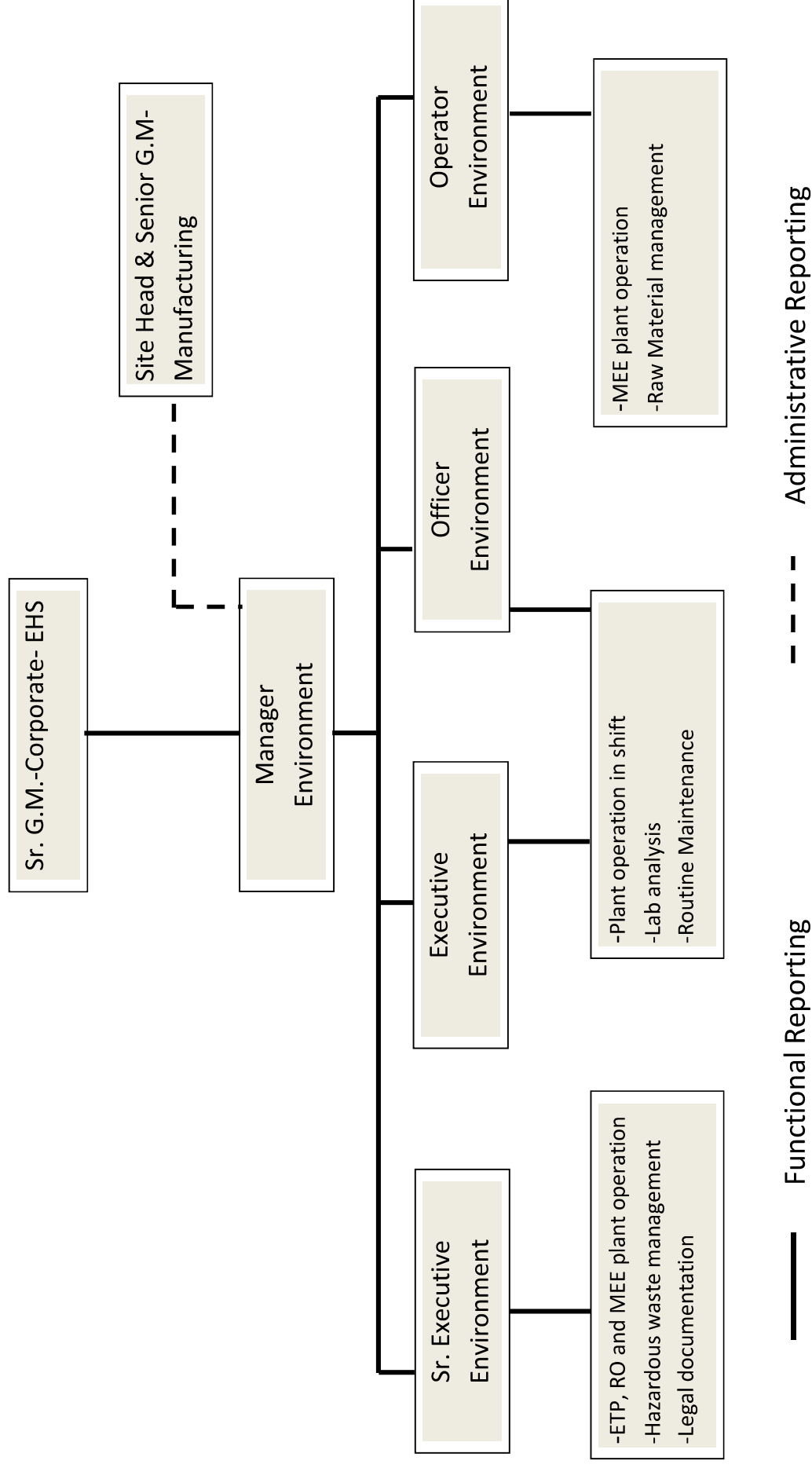
- Complying with the relevant and applicable statutory and regulatory requirements
- Integrating environment, health, safety and sustainability aspects into the planning and decision making of business processes
- Continually improving EHS&S performance through management systems, standard operating procedures, guidelines and deploying the necessary resources to achieve the same
- Actively identifying and mitigating the environmental and health & safety risks which arise from our business operations, distribution and logistics network and supply chain
- Undertaking environmental and social due diligence for mergers & acquisitions
- Optimizing resources to prevent pollution, conserve energy, water and reduce waste and emissions
- Providing adequate training and capacity building to employees, contractors, partners to raise awareness on EHS&S
- Periodically auditing our systems and processes to ensure continued conformance to the required standards
- Measuring, monitoring, and benchmarking our EHS&S practices and performance on a regular basis and publish a report for general communication
- Encouraging employees to identify and report any unsafe conditions including near miss and implement actions to prevent work related injury or illness

This policy shall be reviewed periodically for its continued suitability and updated as necessary.

Date: 08th July, 2022

Nilesh Gupta
Managing Director

Environment Management Cell



O/c



LUPIN LIMITED

Block No.21, Village Dabhasa
Taluka Padra, Dist. Baroda – 391 440
Tel: +91 - 2662 - 228314, 228326

RG203948562IN IVR:8271203948562

RL PADRA SD (391440)

Counter No:1,27/09/2022,10:53

To:THE MEMBER SE,GANDHINAGAR

PIN:382010, Gandhinagar Gujarat 40

From:LUPIN LIMITED,BLOCK NO-21

Wt:90gms

Amt:42.00(Cash)

<Track on www.indiapost.gov.in>

<Dial 10002666868> <Wear Masks, Stay Safe>

RG20

Coun

Amt:

From

From

To:

Del

Date: 17/08/2022

To,
The Member Secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector 10-A,
Gandhinagar.382 010

Subject: Submission of Environmental Statement in Form V for the financial year 2021-22.

Dear Sir,

With reference to above subject, we are herewith submitting Environmental Statement in Form – V for the financial year 2021-22.

Kindly acknowledge the receipt of the same.

Thanking You,

For LUPIN LIMITED

Authorized Signature

Rakesh Dave.

(Site Head & Sr. G M Manufacturing)

CC: Regional Office, GPCB, Vadodara

Encl.: Form – V (Environmental Statement)

R.S.MORE
G. P. C. Board 30/08/22
GERI Compound
Race Course, Vadodara.

LUPIN LIMITED

Registered Office: 3rd Floor, Kalpataru Inspire, Off W.E. Highway, Santacruz (East), Mumbai 400 055 India. Tel : (91-22) 6640 2323.

Corporate Identity Number: L24100MH1983PLC029442

www.lupin.com

FORM – V
(See Rule 14)

From : **LUPIN LIMITED**
BLOCK NO. 21, VILLAGE : DABHASA
TALUKA : PADRA
VADODARA – 391 440

To,
Gujarat Pollution Control Board
Sector 10-A
GANDHINAGAR 382 043

ENVIRONMENTAL STATEMENT for the financial year ending the 31st March 2022

PART – A

(i)	Name and address of the owner / occupier of the industry operation of process.	:	LUPIN LIMITED BLOCK NO. 21, VILLAGE : DABHASA, TALUKA : PADRA, DIST : VADODARA – 391 440
(ii)	Industry category – Primary – (STC Code) Secondary – (STC Code)	:	Large Scale Industry
(iii)	Production capacity Units	:	1085 MT / Year
(iv)	Year of establishment	:	1999
(vi)	Date of the last Environmental Statement submitted	:	23/09/2021

*Submission of Environmental Statement is in accordance with the provision of Rules 14 of the Environment (Protection) Amendment Rules, 1993 of the Environment (Protection) Act, 1986 (29 of 1986) published vide Notification dated 22-4-1993 G.S.R. 386 (E) in the Gazette of India – Extraordinary – Part – II Section 3 Subsection (i) No. 155 dated 28-4-1993 by the Ministry of Environment and Forest, Government of India read with the Notification dated 13-2-1993 G.S.R. 329 (E) of the Gazette of India – Extraordinary Part –II Section – 3, Subsection (i) No. 120 dated 13-3-1993.

“Every person carrying on an industry, operation or process requiring Consent under Section -25 of the Water (Prevention & Control of Pollution) Act, 1974 (6 of 1974) or under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 (14 of 1981) or both or authorization under the Hazardous Wastes (Management and Handling) Rules, 1989 Published under the Environment (Protection) Act, 1986 (29 of 1986) shall submit an Environmental Statement for the financial year ending the 31st March in Form V to the concerned State Pollution Control Board on or before the Thirtieth day of September every year, beginning 1993.”

PART – B**Water and Raw Material Consumption**

(1)	Water Consumption m ³ / day	230.12 m ³ /day
	Process water	114.95 m ³ /day
	Boiler, Cooling & DM	22.09 m ³ /day
	Domestic + Garden	93.08 m ³ /day

Name of Products	Process water consumption per unit of product output	
	During the previous Financial year KL/Kg. 2020-21	During the current Financial year KL/Kg. 2021-22
	(1)	(2)
	0.167	0.195
ANNEXURE – I		

(ii) Raw material consumption

*Name of the raw materials	Name of Products	Consumption of raw material per unit of output	
		During the previous Financial year 2020-21	During the current Financial year 2021-22
ANNEXURE - II			

* Industry may use code if disclosing detail of raw material would violate contractual obligation, otherwise all industries have to name the raw material used

PART – C

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

Pollutants	Quantity of pollutants discharge (mass/day)	Concentration of pollutants in discharges (mass / volume)	Percentage of variation from prescribed standards with reasons
(a) Water	The site is zero liquid discharge unit, hence no pollutants are discharge.		No Permissible Limits for wastewater, as the unit is ZLD.
(b) Air	STACK	PM : < 150 mg / Nm ³	Below Permissible Limits
		SO ₂ : < 100 ppm	Below Permissible Limits
		NO _x : < 50 ppm	Below Permissible Limits
	PROCESS VENT	HCL : < 20 mg / Nm ³	Below Permissible Limits
		NH ₃ : < 175 mg / m ³	Below Permissible Limits
		SO ₂ : < 40 mg / Nm ³	Below Permissible Limits

PART – D

[As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016]

Hazardous Wastes	Total Quantity (Kg.)	
	During the previous Financial year 2020-21	During the current Financial year 2021-22
(a) From process	ANNEXURE - III	
(b) From pollution control facilities		

PART – E**Solid Wastes**

	Total Quantity (Kg.)	
	During the previous Financial year 2020-21	During the current Financial year 2021-22
(a) From process	ANNEXURE – IV	
(b) From pollution control facilities		
(c) (1) Quantity recycled or re-utilized within the unit (2) Sold (3) Disposal		

PART – F

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

5.1	USED Spent OIL	Generation, Collection, Storage, Transportation, Disposal by selling to register / authorized refiner having valid CCA of GPCB & Rule-9 permission under HWM Rule-2016 by use of GPS enable vehicle and xgn generated manifest.
28.1	Process residue & waste	Generation, Collection, Storage, Transportation & Disposal at common TSDF (Incineration / Land filling) / Sent to cement industry for co-processing / sent to Pre Processor or waste mix facilities having valid CCA of GPCB / Rule-9 permission under HWM Rule-2016 by use of GPS enable vehicle and XGN generated manifest.
	Sodium Salts (Nabr, Nacl, Na2so3)	
	Potassium Salts(Kbr, Kcl)	
28.2	Spent catalyst	Generation, Collection, Storage, Transportation & Disposal at common TSDF (Incineration) / Off-site recovery at units from where the catalyst is procured / other units doing recovery / Co-Processing in cement industries / sent to pre-processor or waste mix facilities having valid CCA of GPCB / Rule 9 permission under HWM Rule-2016 by use of GPS enable vehicle and XGN generated manifest.
28.3	Spent carbon	Generation, Collection, Storage, Transportation & Disposal at common TSDF (Incineration) / sent to cement industry for Co-Processing / sent to Pre Processor or waste mix facilities having valid CCA of GPCB / Rule - 9 permission under HWM Rule-2016 by use of GPS enable vehicle and XGN generated manifest.
28.4	Off specification product	Generation, Collection, Storage, Transportation & Disposal at common TSDF (Incineration) / sent to cement industry for co-processing / sent to Pre Processor or waste mix facilities having valid CCA of GPCB / Rule-9 permission under HWM-2016 by use of GPS enable vehicle and XGN generated manifest.

28.6	Spent Solvent	Generation, Collection, Storage, Transportation & Disposal at common TSDF (Incineration) / sent to cement industry for co-processing / sent to Pre Processor or waste mix facilities / sent to actual end users having valid CCA of GPCB / Rule 9 permission under HWM rule 2016 by use of GPS enable vehicle and XGN generated manifest.
33.1	Discarded containers / liners	Generation, Collection, Storage, Transportation & disposal by selling to registered / authorized recycler having valid CCA of GPCB & Rule-9 permission under HWM Rule-2016 or dispose to authorized TSDF having valid CCA of GPCB by use of GPS enable vehicle and XGN generated manifest.
Other Waste	S4-Other waste non-recycle plastic waste/PVC, Rubber waste, glass waste, discarded cementing materials, paint chips/residue, etc.	Generation, Collection, Storage, Transportation & disposal at common TSDF having valid CCA of GPCB by use of GPS enable vehicle and XGN generated manifest.
33.2	Contaminated cotton rags or other cleaning materials	Generation, Collection, Storage, Transportation & Disposal at common TSDF (Incineration) / sent to cement industry for co-processing / sent to Pre Processor or waste mix facilities having valid CCA of GPCB / Rule-9 permission under HWM-2016 by use of GPS enable vehicle and XGN generated manifest.
35.3	ETP sludge	Generation, Collection, Storage, Transportation & Disposal at common TSDF / sent to cement industry for co-processing / sent to Pre Processor or waste mix facilities having valid CCA of GPCB / Rule-9 permission under HWM-2016 by use of GPS enable vehicle and XGN generated manifest.
35.2	Spent ion exchange resin containing toxic metals	Generation, Collection, Storage, Transportation & disposal at common TSDF having valid CCA of GPCB by use of GPS enable vehicle and XGN generated manifest.
35.3	ATFD solid	Generation, Collection, Storage, Transportation & Disposal at common TSDF / sent to cement industry for co-processing / sent to Pre Processor or waste mix facilities having valid CCA of GPCB / Rule-9 permission under HWM Rule-2016 by use of GPS enable vehicle and XGN generated manifest.
Other Waste	S1-Other waste Insulation waste	Generation, Collection, Storage, Transportation & disposal at common TSDF having valid CCA of GPCB by use of GPS enable vehicle and XGN generated manifest.
B15	Spent acid	Generation, Collection, Storage & treatment in in-house ETP
A10	Liquor ammonia	Generation, Collection, Storage, Transportation & sent to cement industry for co-processing / sent to pre-processor or waste mix facilities having valid CCA of GPCB / Rule 9 permission under HWM Rule - 2016 by use of GPS enable vehicle and XGN generated manifest.

PART – G

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

- Utilization of LDO instead of FO.
- Rain water is recharged within and outside the premises.
- Entire treated effluent is recycled & reused in utility etc.

PART – H

Additional measures / Investment proposal for environmental protection including abatement of pollution / prevention of pollution.

- Initiated Two stage scrubbing system instead of single stage scrubber system for P-1, M-4 (Cost approx.-24 Lac), Project under progress.

PART - I

Any other particulars for improving the quality of the environment.

Environment Day celebrated on 5th June-2022 along with tree plantation.

(Signature of a person carrying out an
Industry – operation or process)



Name : Rakesh Dave
Designation : Site Head & Sr. G M Manufacturing
Address : Lupin Limited
Block No. 21, Village : Dabhasa
Taluka : Padra, Dist. : Vadodara

ANNEXURE – I

PRODUCTION DETAILS

PRODUCTION - FY 2021-22

MONTH	QTY. (MT)
Apr-21	19.17
May-21	16.69
Jun-21	24.45
Jul-21	22.81
Aug-21	23.43
Sep-21	12.85
Oct-21	15.23
Nov-21	12.61
Dec-21	12.68
Jan-22	13.25
Feb-22	22.23
Mar-22	18.38
Total	213.79

Process Water KL / Kg of Production = 0.196 KL/Kg

PRODUCTION - FY 2020-21

MONTH	QTY. (MT)
Apr-20	7.49
May-20	28.56
Jun-20	23.36
Jul-20	22.48
Aug-20	24.07
Sep-20	19.23
Oct-20	22.14
Nov-20	23.11
Dec-20	26.91
Jan-21	27.02
Feb-21	23.00
Mar-21	27.37
Total	274.93

Process Water KL / Kg of Production = 0.167 KL/Kg

ANNEXURE – II RAW MATERIAL DETAILS

Sr. No.	RAW MATERIAL DETAILS	Kg/kg
1	QUETIAPINE FUMARATE	
	Dibenzo	0.71
	Phosphorous oxychloride (POCl ₃)	0.30
	Triethyl amine (TEA)	0.18
	1-[2-(2-hydroxyethoxy)ethyl]piperazine (HEEP)	0.77
	Sodium carbonate (Na ₂ CO ₃)	0.40
	Sodium bicarbonate (NaHCO ₃)	0.27
	Fumaric acid	0.15
	Hydroxhloric acid (HCl)	1.25
	Aq. Ammonia	1.29
	Sodium sulphate	0.01
	Celite	0.01
	Activated carbon	0.01
	Toluene	7.43
	DCM	16.27
	Ethanol	10.99
2	Levetiracetam	
	SABAM Hydrohchloride	1.03
	4-Chlorobutanoyl chloride	1.16
	Anhydrous sodium sulphate	1.55
	Pottasium hydroxide	2.01
	tetra butyl ammonium bromide	0.12
	Celite	0.58
	Activated carbon	0.16
	Dichloromethane	25.08
	Ethyl acetate	18.84
3	Rifaximin	
	Rifamycin-O	2.19
	2-amino-4-methyl pyridine	0.94
	Ascorbic acid	0.06
	Con.HCl	0.63
	Methanol	14.16
4	Pregabalin	
	Sodium Hydroxide	0.43
	Sodium Hypo Chloride	9.44
	Sulfuric Acid	1.33
	Activated carbon	0.08
	Celite	0.01
	Isopropyl alcohol	6.94

5	Acotiamide hydrochloride hydrate	
	2,4,5-TMBA	0.76
	EATC	0.59
	Thionyl chloride	0.45
	TEA	0.36
	Na ₂ CO ₃	0.12
	DMF	0.02
	Toluene	13.42
	IPA	13.49
	DIPDA	1.00
	Methanol	5.91
	HCl (For Methanol.HCl)	0.79
	DMAC	1.17
	Activated carbon	0.05
	Hyflow celite	0.03
6	SEVELAMER HYDROCHLORIDE	
	Allylamine	1.10
	Amidino compound	0.04
	Conc.HCl	2.53
	Methanol	21.05
	Sodium Hydroxide	0.43
	Epichlorohydrine	0.15
	Isopropyl alcohol	20.88
7	Azithromycin monohydrate	
	Erythromycin base	2.57
	Hydroxyl amine hydrochloride	0.97
	Sodium hydroxide	1.47
	Tri ethyl amine	0.52
	Methanol	37.42
	p-toluene sulphonyl chloride	1.23
	Sodium bicarbonate	0.54
	Conc HCl	0.36
	DCM	33.81
	Activated carbon	0.27
	Celite	0.12
	Perchloric acid (70%)	0.55
	Acetone	7.19
	5%Pt/C	0.18
	Hydrogen	0.05
	Formic acid	0.29
	Formaldehyde	0.31

	Denatured ethanol with acetone	11.90
8	4-Imino-3-Amino Rifamycin-S / Imino Rifamycin - S	
	Rifamycin S/S1	4.32
	Formamide	12.75
	Ammonium persulphate	0.60
	Sodium azide	1.41
	Acetic acid	1.58
	Sodium chloride	3.76
	Chloroform	55.76
	2-Methoxyethanol	6.75
	Diisopropyl ether	5.45
	Ammonia	0.79
	Tetrahydrofuran	6.35
	Methanol	5.09
9	DROXIDOPA	
	DBB	3.87
	CNG	5.82
	Sodium methoxide	4.05
	Aqu. Ammonia	2.85
	Sulfuric Acid	8.90
	Methanol	44.94
	Ethyl acetate	73.26
	Acetone	68.53
	Conc. HCl	2.64
	Dichloromethane	22.14
	Palladium	0.14
	Hydrogen gas	0.08
	Sodium Carbonate	1.32
	Activated carbon	0.09
	Celite	0.09
10	Mirabegron	
	R-APPE HCl -- ((1R)-2-[[2-(4-aminophenyl)ethyl]amino]-1-phenylethanol)	1.04
	ATAA -- ((2-amino-1,3-thiazol-4-yl)acetic acid)	0.56
	DEC HCL-- (N-[3-(dimethylamino)propyl]-N'-ethylcarbodiimide hydrochloride)	0.75
	Aq.Ammonia	0.36
	Conc. HCl	0.34
	IPA	18.75
	Methanol	13.75
	Activated Carbon	0.06

	Celite	0.15
11	Flupirtine Maleate	
	2-Amino -6- chloro -3-nitropyridine (ACNP)	0.89
	IPA	28.73
	4- Flouro benzyl amine (4-FBA)	0.63
	Triethyl amine (TEA)	0.63
	Tetra butyl ammonium bromide (TBAB)	0.11
	Hydrazine hydrate (HH)	1.14
	Ethylchloroformate (ECF)	0.57
	Maleic acid	0.73
	Catalyst	0.00
	Raney Nickel (Ra-Ni)	0.06
	Toluene	9.85
	Methanol	13.00
12	Atorvastatin Calcium (Trihydrate / Amorphous)	
	Cyano compound	1.59
	Diketo compound	2.43
	Pivalic acid	0.47
	Sodium bicarbonate	0.56
	Conc HCl	1.10
	Ammonia solun (25%)	0.17
	Catalyst	0.00
	Raney nickel	0.16
	Act carbon	0.02
	Celite	0.02
	Ammonia	1.59
	Hydrogen	0.03
	Methanol	26.92
	Cyclohexane	16.67
	Ethyl acetate	4.30
	IPA	38.00
	Sodium hydroxide	0.26
	Calcium acetate	0.33
	Tert butyl methyl ether	18.33
13	Febuxostat	
	Ethyl-2-(3-cyano-4-isobutoxyphenyl)-4-methyl-5-thiazolecarboxylate	1.53
	Sodium hydroxide	0.23
	Conc.HCl	0.62

	IPA	6.00
	Acetone	13.34
	Activated carbon	0.06
	Celite	0.06
14	Lacosamide	
	D-Serine	2.50
	Sodium hydroxide	15.70
	DIBOC (Di-tert butyldicarbonate)	12.50
	Dimethyl sulphate (DMS)	22.44
	Conc. Hydrochloric acid (HCL) for Laco-II	18.50
	Ethyl chloroformate	3.75
	N-methyl morpholine	3.45
	Benzylamine	3.68
	Sodium bicarbonate	0.40
	Acetic anhydride	2.43
	Sodium carbonate	0.25
	Methylene dichloride (MDC)	30.15
	Ethyl acetate	31.57
15	Eslicarbazepine acetate	
	Oxcarbazepine	2.74
	Caustic lye (48%)	1.66
	Sodium borohydride	0.41
	Conc. HCl (35%)	1.77
	L(+)Tartaric Acid	1.75
	Acetic anhydride	5.71
	Sulphuric acid	0.02
	Pyridine	0.84
	Dimethyl amino pyridine (DMAP)	0.04
	Toluene	4.28
	Methylene dichloride (MDC)	32.26
	Triethyl amine	0.53
	Dimethyl amino pyridine	0.03
	Sodium bicarbonate	0.56
	Activated carbon	0.11
	Celite	0.22
	Isopropyl alcohol (IPA)	20.09
16	Rufinamide	
	RFN-II (Acid compound)	1.39
	Conc. Sulphuric acid (98%)	0.29
	Methanol	30.87
	Methanol in methanolic ammonia solution	12.61

	Ammonia in methanolic ammonia solution	2.81
	DMF	7.08
17	Desvenlafaxine succinate monohydrate	
	Venlafaxine hydrochloride	1.92
	Diethyl amino ethane thiol HCl	1.25
	Sodium Hydroxide	3.42
	Dimethyl sulfoxide	10.58
	Conc.HCl	6.54
	Aqueous ammonia	17.36
	Toluene	13.34
	MDC	25.50
	Activated carbon	0.25
	Celite	0.10
	Succinic acid	0.62
	Acetone	10.07
18	Desvenlafaxine benzoate	
	Venlafaxine hydrochloride	1.92
	Diethyl amino ethane thiol HCl	1.25
	Sodium Hydroxide	3.42
	Dimethyl sulfoxide	10.58
	Conc.HCl	6.54
	Aqueous ammonia	17.36
	Toluene	13.34
	MDC	25.50
	Activated carbon	0.25
	Celite	0.10
	Benzoic acid	0.64
	Isopropyl alcohol	23.75
19	Ferric Citrate	
	Citric acid monohydrate	0.95
	Ferric chloride hexahydrate	1.22
	Sodium hydroxide	0.58
	Acetone	24.86
	IPA	18.69
20	Pirfenidone	
	2-Hydroxy-5-methylpyridine (HMP)	1.00
	Bromobenzene	1.74
	Potassium carbonate	1.52
	Copper iodide	0.17
	Morpholine	0.16
	Liquor ammonia	1.35

	Sodium chloride	1.25
	DMF	1.89
	Ethyl acetate	17.14
	n-Heptane	5.47
	Activated carbon	0.05
	Celite	0.04
21	Rivaroxaban	
	RVX-II	1.04
	5-Chlorothiophene 2-carboxylic acid	0.63
	Thionyl chloride	0.55
	Potassium carbonate	1.09
	N,N-Dimethyl formamide	3.01
	Conc. HCl	0.30
	Dichloromethane	19.40
	Methanol	1.78
	Acetic acid	13.46
22	Apremilast / Apremilast Form M	
	APR-I	2.29
	N-Acetyl-L-Leucine	0.87
	Methanol	51.78
	3-Acetamidophthalic anhydride	0.66
	Sodium bicarbonate	1.65
	Acetic acid	7.20
	Ethyl acetate	14.86
	Acetone	12.49
	Celite	0.07
	Activated carbon	0.14
	Apremilast for seeding	0.00

ANNEXURE – III

HAZARDOUS WASTE DETAILS

[As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016]			
Hazardous Wastes	Category	Type of Hazardous Waste	Total Quantity (Kg.)
			During the previous Financial year 2020-21 During the current Financial year 2021-22
(a) From Process	5.1	USED OIL	3545 0
	28.1	PROCESS RESIDUE & WASTE	1617820 1033715
	28.3	SPENT CARBON	29760 9370
	28.2	SPENT CATALYST	2364 4854
	28.4	OFF SPECIFICATION PRODUCT	4495 9880
	28.6	SPENT SOLVENT	1475555 2207585
	33.1	DISCARDED CONTAINERS in Nos.	0 0
	33.1	DISCARDED LINERS	31190 30225
	S4	NON-RECYCLE PLASTIC WASTE/ PVC	32190 51115
	33.2	CONTAMINATED COTTON RAGES OR OTHER CLEANING MATERIALS	7925 17625
	33.1	CUTTING CARBOY – IN KG	60955 54495
	B15	SPENT ACID	0 0
	A10	LIQUOR AMMONIA	0 0
	35.3	ETP SLUDGE	200940 162660
(b) From pollutant control facilities	35.3	ATFD SOLID	286765 251045

ANNEXURE – IV SOLID WASTE DETAILS

Solid Wastes			
	Category	Type of Hazardous Waste	Total Quantity (Kg.)
			During the previous Financial year 2020-21 During the current Financial year 2021-22
(a) From Process'	S1	INSULATION WASTE	9480 18330
(b) From pollutant control facilities	--	--	-- --
	--	--	-- --
(c) (1) Quantity recycled or re-utilized within the unit	--	--	-- --
(2) Sold	--	--	-- --
	--	--	-- --
(3) Disposal	--	--	-- --

Note:

- i) Sold total 226.14 MT Solid waste as scrap (MS, SS, Aluminum, Glass, Fiber, Wooden, PVC & Corrugated box) in FY 2021-2022.
- ii) Disposed of total 18.330 MT insulation waste to TSDF.
 1. Incineration: 120.090 MT
 2. Landfill: 6.240



भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	M/s Lupin Ltd		
Project Address:	M/s Lupin Ltd, 21		
Village:	Dabhasa	Block:	Padra
District:	Vadodara	State:	Gujarat
Pin Code:			
Communication Address:	Lupin Limited, Block No 21., Padra, Vadodara, Gujarat - 391440		
Address of CGWB Regional Office :	Central Ground Water Board West Central Region, Swami Narayan College, Building, Shah Alam Tolnaka, Ahmadabad, Gujarat - 380022		

1.	NOC No.:		CGWA/NOC/IND/REN/2/2022/7163												
2.	Application No.:		21-4/127/GJ/IND/2007					3. Category: (GWRE 2020)		Over Exploited					
4.	Project Status:		Existing Ground Water												
6.	Valid from:		06/07/2021					5. NOC Type:		Renewal					
								7. Valid up to:		05/07/2023					
8.	Ground Water Abstraction Permitted:														
		Fresh Water		Saline Water				Dewatering				Total			
		m ³ /day	m ³ /year	m ³ /day	m ³ /year		m ³ /day	m ³ /year		m ³ /day	m ³ /year				
		711.00	259515.00												
9.	Details of ground water abstraction /Dewatering structures														
Total Existing No.:2							Total Proposed No.:0								
			DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu	
Abstraction Structure*			0	0	0	2	0	0	0	0	0	0	0	0	
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps															
10.	Ground Water Abstraction/Restoration Charges paid (Rs.):								1972575.00						
11.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.						No. of Piezometers		Monitoring Mechanism						
								Manual	DWLR**	DWLR With Telemetry					
**DWLR - Digital Water Level Recorder						2		0	1	1					

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m³/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m³/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)