

LUPIN LIMITED

T-142, M.I.D.C. Tarapur via. - Boisar  
Taluka & Dist. Palghar, Maharashtra - 401 506  
Tel: +91-2525-243300, 243600



LUPL/ENV/MPCB/2024-0008

Date : 08<sup>th</sup> November 2024

To  
The Additional Director(s)  
Ministry of Environment & Forests,  
Regional Office, Western Region,  
Kendriya Paryavaran Bhavan,  
Link Road No. 3,  
Bhopal-462016  
Madhya Pradesh

Sub.: Submission of half – yearly EC compliance for the period April-2024 to September-2024.

Ref.: Environmental Clearance EC (Lupin)-2009/153/CR.167/TC.1 dated 16/11/2010

Dear Sir,

With reference to the above cited subject, please find the enclosed here with half yearly EC compliance report for the period of **April-2024 to September-2024** for Lupin Limited, Tarapur site.

Kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully,

For Lupin Limited

  
Authorized Signatory  
CC:- SRO -I Tarapur  
2/11/24

Received  
18.11.2024  
SUB-REGIONAL OFFICE  
MAHARASHTRA POLLUTION CONTROL BOARD  
TARAPUR, MIDC COLONY, BOISAR,  
TALUKA & DIST. PALGHAR, PIN 401 504.

**Your (Half Yearly Compliance Report) has been Submitted with following details**

<b>Proposal No</b>	EC(Lupin)-2009/153/CR.167/TC.1
<b>Compliance ID</b>	111131034
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/111131034/2024
<b>Reporting Year</b>	2024
<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)
<b>Submission Date</b>	14-11-2024
<b>RO/SRO Name</b>	Dr Senthil Kumar Sampath
<b>RO/SRO Email</b>	agmu156@ifs.nic.in
<b>State</b>	MAHARASHTRA
<b>RO/SRO Office Address</b>	Integrated Regional Offices, Nagpur

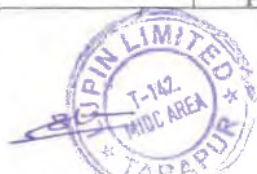
**Note:-** SMS and E-Mail has been sent to Dr Senthil Kumar Sampath, MAHARASHTRA with Notification to Project Proponent.

**Compliance report of Env. Clearance No. EC (Lupin)-2009/153/ CR.167/TC.1, dated 16/11/2010  
For the period of April 2024 to September 2024**

Sr. No.	Condition	Compliance status
i.	This clearance is subject to conditions stipulated in MoEF office memorandum J-11013/5/2010-IA-II (I) dated 26 <sup>th</sup> October 2010.	Noted
ii.	"Consent for Establishment" shall be obtained from Maharashtra Pollution Control department before start of any construction work at the site.	Obtained consent to Establish vide no. BO/RO-Thane/RO (P & P)/EIC/ TN/1866-09/E/CC-366, dated 05/10/2009 Consent to Operate including product mix is obtained vide no. - Format1.0/CAC/ /UAN No.MPCB-CONSENT-0000178467/CR/2404001599 date - 23/04/2023 valid up to 30/04/2029. Refer attached Annexure- I
iii.	No land development/construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.	Noted and followed
iv.	No additional land shall be used/acquired for any activity of the project without obtaining proper permission.	Noted
v.	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.	Noted and followed wherever required.
vi.	Regular monitoring of the air quality, including SPM & SO2 levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.	Air quality monitoring is carried out by MoEF & CC approved party every month. The report of the same is submitted to the MPCB. Copy of monitoring reports from April-2024 to September-2024 are attached as Annexure-II



vii.	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	<p>Our is API industry, therefore Rainwater harvesting is not preferred. However, we have provided rainwater harvesting &amp; check dam around Tarapur site location details as below</p> <table border="1" data-bbox="762 344 1396 1025"> <thead> <tr> <th data-bbox="762 344 1193 412">Location</th> <th data-bbox="1193 344 1396 412">Total Capacity</th> </tr> </thead> <tbody> <tr> <td data-bbox="762 412 1193 510">Dhanivari, Dahanu, Dist- Palghar (16nos. Farm Ponds)</td> <td data-bbox="1193 412 1396 510">13323 m3</td> </tr> <tr> <td data-bbox="762 510 1193 609">Nikane Dahanu, Dist- Palghar (03 nos. Fam Ponds)</td> <td data-bbox="1193 510 1396 609">2244 m3</td> </tr> <tr> <td data-bbox="762 609 1193 707">Ranshet, Dahanu, Dist- Palghar (03 nos. Fam Ponds)</td> <td data-bbox="1193 609 1396 707">1092 m3</td> </tr> <tr> <td data-bbox="762 707 1193 806">Sonale, Dahanu, Dist- Palghar (01 nos. Check Dam)</td> <td data-bbox="1193 707 1396 806">4435.2 m3</td> </tr> <tr> <td data-bbox="762 806 1193 904">Jamshet, Dahanu, Dist- Palghar (01 nos. Check Dam)</td> <td data-bbox="1193 806 1396 904">1055.6 m3</td> </tr> <tr> <td data-bbox="762 904 1193 1025">Alewadi, Palghar, Dist- Palghar (01 nos. Check Dam)</td> <td data-bbox="1193 904 1396 1025">675 m3</td> </tr> </tbody> </table>	Location	Total Capacity	Dhanivari, Dahanu, Dist- Palghar (16nos. Farm Ponds)	13323 m3	Nikane Dahanu, Dist- Palghar (03 nos. Fam Ponds)	2244 m3	Ranshet, Dahanu, Dist- Palghar (03 nos. Fam Ponds)	1092 m3	Sonale, Dahanu, Dist- Palghar (01 nos. Check Dam)	4435.2 m3	Jamshet, Dahanu, Dist- Palghar (01 nos. Check Dam)	1055.6 m3	Alewadi, Palghar, Dist- Palghar (01 nos. Check Dam)	675 m3
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viii	Arrangement shall be made that wastewater and storm water do not get mixed.	Wastewater is collected through dedicated effluent carrying pipelines which does not get mixed with storm water drains.														
ix.	Periodic monitoring of ground water shall be undertaken, and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	No bore well is available at site and no groundwater is used inside the premises.														
x	Leg of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.	Noted and complied, we do noise monitoring regularly. Copy of the noise monitoring reports are attached as Annexure-III Personal protective equipment such as earplugs/earmuffs are provided to the people working in high noise area.														
xi.	The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. On all sources of noise generations. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.	Acoustic enclosure has been provided for noise control wherever required. Ambient Noise levels are monitored every month. High noise source like DG set have been provided with acoustic enclosure. All the measures have been taken to control noise, wherever required. Ambient noise level monitoring is being done by MoEF & CC approved third party. Copy of analysis reports from April-2024 to														



		September-2024 are attached as Annexure-III
xii.	Green belt shall be developed & maintained around the plant periphery. Green Belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept.	Complied
xiii.	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.	Necessary safety systems including Gas detection systems are in place.
Xiv	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per factories Act.	Periodical health checkup is carried out and records are maintained.
Xv	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Fire protection systems are in place and followed
Xvi	The project authorities must strictly comply with the rules & regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.	Complied.



Xvii	<p>The company shall undertake following Waste Minimization Measures:</p> <ul style="list-style-type: none"> <li>• Metering of quantities of active ingredients to minimize waste.</li> <li>• Reuse of by-products from the process as raw materials or as raw material substitutes in other process.</li> <li>• Maximizing Recoveries.</li> <li>• Use of automated material transfer system to minimize spillage.</li> <li>• Use of "Closed Feed" system into batch reactors.</li> </ul>	<p>Waste minimization measures are being followed.</p> <p>Handling of the active ingredient material metering system has been provided.</p> <p>Solvent recovery is in placed &amp; the recover solvent is used.</p> <p>Closed handling system provided for chemicals.</p> <p>Incinerable Hazardous waste is sending preprocessing.</p>
Xviii	<p>Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes/improvements required, if any, in the on-site management plan shall be ensured.</p>	<p>On site Emergency plan is in place and updated. Regular mock drills are being conducted. Last mock drill was conducted on 16/07/2024.</p>
Xix	<p>A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.</p>	<p>Dedicated Environmental management department exists with qualified and trained staff.</p>
Xx	<p>Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.</p>	<p>Noted.</p>
xxi	<p>Separate silos will be provided for collecting and storing bottom ash and fly ash.</p>	<p>Noted.</p>
	<p>Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB &amp; this department.</p>	<p>Noted and being followed</p>



xxiii	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://cnvis.maharashtra.gov.in">http://cnvis.maharashtra.gov.in</a>	Complied.
xxiv	Project Management should submit half yearly compliances reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to MPCB & this department, on 1 <sup>st</sup> June & 1 <sup>st</sup> December of each calendar year.	Noted and being followed. Last six-monthly EC compliance report for the October-2023 to March-2024 was submitted on 07/06/2024.
xxv	A copy of clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Noted. The clearance letter is available on website of the company.
xxvi	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely, SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectorial parameters, indicated near the main gate of the company in the public domain.	Copies of monitoring reports are sent to MoEF & CC and MPCB. The status of EC condition is available on the company web site. The same is updated periodically.
xxvii	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Noted and followed. Last six-monthly EC compliance report for the period Oct.-2023 to March.-2024 was submitted on 07/06/2024.



xxviii	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.</p>	<p>Complied. Environmental statement for the FY 2023-24 was submitted on 19/09/2024.</p>
xxix	<p>The environmental clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Honorable court will be binding on the project proponent. Hence, this clearance does not give immunity to the project proponent in the case filed against him.</p>	<p>Noted</p>





# **ANNEXURE-I**

**(Copy of Consent to Operate)**



# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd, 3rd  
and 4th floor, Opp. Cine  
Planet Cinema, Near Sion  
Circle, Sion (E),  
Mumbai-400022

RED/L.S.I (R58)  
No:- Format1.0/CAC/UAN No.MPCB-  
CONSENT-0000178467/CR/2404001599

Date: 23/04/2024

To,  
Lupin Limited,  
Survey No. 30/10 to 30/13 & 64/7, Plot No. T-142,  
MIDC Tarapur,  
Tal. & Dist. - Palghar.



**Sub:** Grant of renewal of consent with amendment in consent to operate under change in product mix with 1st Consent to Operate, under Red/LSI

- Ref:**
1. Consent to operate granted under vide No:- Format1.0/CAC/UAN No.0000156973/CR/2306001502 dated 21.06.2023
  2. Consent to establish granted under vide No. Format 1.0/CAC/UAN No. 0000140753/CE/2211000557 dated 08.11.2022
  3. Environmental Clearance granted vide No. EC(Lupin)-2009/153/CR.167/TC.1 dated 16.11.2010 and amended on 04.01.2011
  4. Minutes of 4th Technical Appraisal Committee meeting (2023-2024) dated 28.11.2023
  5. Minutes of 21st CAC meeting held on 07.02.2024.

Your application No.MPCB-CONSENT-0000178467 Dated 07.08.2023

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent to renewal is granted for a period up to 30/04/2029
2. The capital investment of the project is Rs.1076.65 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 1009.94 Crs + Increase in C.I. - Rs. 66.71 Crs.)
3. Consent is valid for the manufacture of:

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
Products					
1	Rifa S,Rifa O & Rifampicin	404	-6.5	397.5	MT/A
2	Rifaximin	20	0	20	MT/A
3	Lovastatin	10	0	10	MT/A

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
4	Simvastatin	30	15	45	MT/A
5	Sertraline	72	0	72	MT/A
6	Losartan potassium	65	-25	40	MT/A
7	Valsartan	20	-19	1	MT/A
8	Duloxetine	25	0	25	MT/A
9	Irbesartan	0.5	0	0.5	MT/A
10	Quetiapine Fumerate	80	-20	60	MT/A
11	Pyrazinamide	172	0	172	MT/A
12	Levetiracetam	464	0	464	MT/A
13	Abacavir (Hydrochloride/ Sulphate)	12	-4	8	MT/A
14	Amlodipine Besilate	25	-2.5	22.5	MT/A
15	Escitalopram Oxalate	0.5	0	0.5	MT/A
16	Cysteamine Bitartrate	20	0	20	MT/A
17	Tolterodine Tartarate	0.03	0	0.03	MT/A
18	Celecoxib	18	0	18	MT/A
19	Ethambutol	18	0	18	MT/A
20	Fenofibrate/Choline Fenofibrate	20	0	20	MT/A
21	Rifabutin	1	0	1	MT/A
22	Zolpidem Tartarate	0.8	0.7	1.5	MT/A
23	Imipramine pamoate/Imipramine Hcl	0.5	0	0.5	MT/A
24	Lansoprazole	2.5	0	2.5	MT/A
25	Rabeprazole	1	0	1	MT/A
26	Risperidone	1	0	1	MT/A
27	Azythromycin	2	0	2	MT/A
28	Gatifloxacin	0.02	0	0.02	MT/A
29	Ziprasidone	2	0	2	MT/A
30	Desloratadine	1	0	1	MT/A
31	Memantine	1.5	0	1.5	MT/A
32	Eszopiclone	0.1	0	0.1	MT/A
33	Tenofovir	6	0	6	MT/A
34	Emticitabine	6.5	0	6.5	MT/A
35	Ezetimibe	12	0	12	MT/A
36	R & D batches	13	0	13	MT/A
37	Ranolazine	20	-15	5	MT/A
38	Armodafinil	0.8	0	0.8	MT/A
39	Capreomycin Sulfate	1	0	1	MT/A
40	Calcium L-5- Methyltetrahydrofolate	0.1	0	0.1	MT/A
41	Rifapentine	42	0	42	MT/A
42	Oseltamivir	3	0	3	MT/A
43	Sodium Rifamycin SV	4.5	0	4.5	MT/A

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
44	Dalbavancin Intermediate (A-40926 )	0.2	0	0.2	MT/A
45	Demeclocycline (DMCTC)	0.5	0	0.5	MT/A
46	Tacrolimus	0.1	0	0.1	MT/A
47	Tolvaptan	0	0.075	0.075	MT/A

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	1009.6	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	95	As per Schedule-I	Recycle 100% to achieve ZLD

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S1	Boilers (2 Nos)12 TPH & 10 TPH	1	As per Schedule -II
2	S2	Boilers (2 Nos) 12 TPH & 12 TPH-Standby	1	As per Schedule -II
3	S3	Boiler 10 TPH	1	As per Schedule -II
4	S4 to S12	DG Sets (2* 2.5MW, 3*1.6MW & 4*1.2MW)	1	As per Schedule -II
5	S13 & 14	Power Generator -2*2.5MW	1	As per Schedule -II
6	S15 to S38	Process vent (24 Nos)	24	As per Schedule -II
7	S39 to S41	Process vent (3 Nos)	3	As per Schedule -II
8	S42	Boiler (08 TPH-02 Nos)	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Canteen Waste	500	Kg/Day	NA	Piggeries / in house or External Composting
2	Mycella Waste	18.1	MT/Day	Composting	Sale to authorized Party
3	Bio sludge (ETP)	5.82	MT/Day	Composting	Used as manure or Sale to authorized party or CHWTSDF/ Co-Processor through MPCB/CPCB authorized Pre-processor /Co-processor

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
4	Glass Bottles	1	MT/Day	NA	Sale to authorized Party
5	Brequette Ash	9.5	MT/Day	NA	Sale to Brick Manufacturer/ Landfill/ Use as Manure

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	28.2 Spent catalyst	20.13	MT/A	Incineration/Recycle/Pre-processing/Co-processing	Sale to authorized party /Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF/ Back to Manufacture for recycle
2	36.1 Any process or distillation residue	932.91	MT/A	Incineration/Pre-processing/Co-processing	Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
3	28.3 Spent carbon	225.57	MT/A	incineration/Pre-processing/Co-processing	Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
4	37.3 Concentration or evaporation residues	4140	MT/A	Landfill	CHWTSDF (On dry basis)
5	28.1 Process Residue and wastes	2205.2	MT/A	Landfill / Incineration/ Pre-processing/Co-processing	Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
6	34.1 Chemical-containing residue arising from decontamination.	180	MT/A	Incineration/ Pre-processing/Co-processing	Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
7	28.5 Date-expired products	720	MT/A	Incineration/Pre-processing/Co-processing	Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
8	28.4 Off specification products	720	MT/A	Incineration/Pre-processing/Co-processing	Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
9	5.2 Wastes or residues containing oil	7.2	MT/A	Incineration / Recycle	Sale to authorized party / CHWTSDF/ re-processor
10	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4320	MT/A	Incineration / Recycle/ Pre-processing/Co-processing	(PPE/ Cartridge Filter/ Liners bag) sale to authorized party after decontamination/ Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
11	5.1 Used or spent oil	10.8	MT/A	Incineration / Recycle	Sale to authorized party / CHWTSDF/ re-processors
12	28.6 Spent organic solvents	85901.32	MT/A	Incineration / Recycle/Pre-processing/Co-processing	Sale to Authorized party or Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
13	28.6 Spent organic solvents	116.32	MT/A	Incineration/Recycle (spent Mother Liquor onsite recovery & Reuse)/Pre=processing/Co-processing	(Recovered IPA) Sale to Authorized party or Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
14	28.1 Process Residue and wastes	4.44	MT/A	Incineration / Recycle/Pre-processing/Co-processing	(2 Amino 4 Methyl Pyridine) Sale to authorized party or Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
15	28.1 Process Residue and wastes	6.63	MT/A	Incineration / Recycle/Pre-processing/Co-processing	(D2 Amino 1- Butanol(D2AB)) Sale to authorized party or Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
16	28.1 Process Residue and wastes	1.34	MT/A	Incineration / Recycle/Pre-processing/Co-processing	(Tributyl tin chloride) Sale to authorized party or Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
17	28.1 Process Residue and wastes	33.39	MT/A	Incineration / Recycle/Pre-processing/Co-processing	(Immidazole hydrochloride) Sale to authorized party or Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
18	28.1 Process Residue and wastes	87.60	MT/A	Incineration / Recycle/Pre-processing/Co-processing	(Tri Ethyl Amine) Sale to authorized party or Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
19	28.1 Process Residue and wastes	91.67	MT/A	Incineration / Recycle/Pre-processing/Co-processing	(R-R mandelate salt) Sale to authorized party or Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
20	28.1 Process Residue and wastes	77.78	MT/A	Incineration / Recycle/Pre-processing/Co-processing	(Piperazine di acetate) Sale to authorized party or Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
21	28.1 Process Residue and wastes	1.68	MT/A	Incineration / Recycle/Pre-processing/Co-processing	(Di iso Propyl Ethyl Amine) Sale to authorized party or Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
22	28.1 Process Residue and wastes	230.98	MT/A	Incineration / Recycle/Pre-processing/Co-processing	(Trans Sertraline) Sale to authorized party or Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
23	28.1 Process Residue and wastes	41.90	MT/A	Incineration / Recycle/Pre-processing/Co-processing	(Di methyl butanoic Acid) Sale to authorized party or Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
24	28.1 Process Residue and wastes	38.01	MT/A	Incineration / Recycle/Pre-processing/Co-processing	(Mandelic Acid) Sale to authorized party or Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF
25	Insulation waste, Disposal PPE, Apron & Shoe Cover	365	MT/A	Incineration / Recycle/Pre-processing/Co-processing	Coprocessor through MPCB/CPCB Authorized Preprocessor/ CHWTSDF

Hazardous waste Sr. No. 13 to Sr. No. 24 in the hazardous waste table are on active basis and are recovered from stream generated from manufacturing process, Sale to authorized party having permission under Rule 9 of H&OW Rule 2016.

8. Conditions under Plastic Waste Management Rules, 2016 (Notification dtd. 18/03/2016):

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	Discarded PPE, PVC, Apron, shoe cover	1.00	MT/Day	Sale to authorized Party

9. Guideline for Pre-processing and Co-processing of Hazardous and Other Wastes in Cement Plant as per H&OW (M & TM) Rules, 2016 prepared by Central Pollution Control Board shall be strictly followed.
10. Industry shall strictly follow the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

11. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
12. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
13. This consent is issued overriding effect to earlier consent to operate granted No:- Format1.0/CAC/UAN No.0000156973/CR/2306001502 dated 21/06/2023.
14. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. EC(Lupin)-2009/ 153/CR.167/TC.1 dated 16.11.2010 and amended on 04.01.2011 and ensure display/upload of six monthly compliance monitoring report on their official website.
15. Industry should not manufacture any other product for which permission is not granted by the Board
16. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)
17. The consent issued as per decision in Minutes of 4th Technical Appraisal Committee meeting (2023-2024) dated 28.11.2023 & Minutes of 21st CAC meeting dated 07.02.2024.



*Avinash*

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ede88b67

Signed by: Dr. Avinash Dhakne  
Member Secretary  
For and on behalf of  
Maharashtra Pollution Control Board  
ms@mpcb.org  
2024-04-23 12:36:42 IST

**Received Consent fee of -**

Sr.No	Amount(Rs.)	Transaction/DR No.	Date	Transaction Type
1	10766500.00	MPCB-DR-21003	14/09/2023	RTGS
2	100000.00	MPCB-DR-22002	12/10/2023	NEFT

**Copy to:**

1. Regional Officer, MPCB, Thane and Sub-Regional Officer, MPCB, Tarapur I  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC-CAC updating.

### SCHEDULE-I

#### Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have provided full-fledged Effluent Treatment Plant (ETP) of capacity 1200 CMD followed by Reverse Osmosis having capacity 1307 CMD and MEE of 360 CMD capacity followed by ATFD 35 CMD capacity for the treatment 1104.6 CMD effluent (Industrial effluent-1009.6 CMD + Domestic effluent-95 CMD). Treated effluent is 100% recycled into the process, cooling tower & for utility purposes so as to achieve Zero Liquid Discharge (ZLD).  
B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing with metering system so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.  
C] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.
2. A] As per your application, the domestic effluent is mixed with trade effluent before secondary treatment for further treatment in Effluent Treatment Plant.  
B] Industry shall comply prescribed standards & disposal path as prescribed at Sr. No. 1B of schedule I.
3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	1100.00
2.	Domestic purpose	120.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	877.50
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	150

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.



**SCHEDULE-II**

**Terms & conditions for compliance of Air Pollution Control:**

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S1	Boilers (2 Nos) 10 TPH & 12 TPH	Stack	57.00	*Natural Gas 1679 SCM/Hr	-	TPM	50 Mg/Nm <sup>3</sup>
				*LSHS 895 Kg/Hr	1	NOx	50 Mg/Nm <sup>3</sup>
						SO2	429.6 Kg/Day
S2	Boilers (2 Nos) 12 TPH each- Standby	Stack	31.00	*Natural Gas 1832 SCM/Hr	-	TPM	50 Mg/Nm <sup>3</sup>
						NOx	50 Mg/Nm <sup>3</sup>
S3	Boiler-10 TPH	Stack	45.00	*Natural Gas 763 SCM/Hr	-	TPM	50 Mg/Nm <sup>3</sup>
				*LSHS 407 Kg/Hr	1	NOx	50 Mg/Nm <sup>3</sup>
						SO2	195.36 Kg/Day
S4 to S12	DG Sets (2* 2.5MW, 3*1.6MW & 4*1.2MW)	Stack	30.00	HSD 157 MT/M	1	TPM	50 Mg/Nm <sup>3</sup>
						SO2	105 Kg/Day
S13 & S14	Power Generator - 2*2.5 MW	Stack	48.00	HSD 414 MT/M	1	TPM	50 Mg/Nm <sup>3</sup>
						SO2	276 Kg/Day
S15-S38	Process Vents (24 Nos)	Scrubber	5.00	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>
						HCl	35 Mg/Nm <sup>3</sup>
						SO2 (process)	50 PPM
						Ammonia	50 Mg/Nm <sup>3</sup>
S39 - S41	Process Vents (3 Nos)	Scrubber	5.00	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>
						HCl	35 Mg/Nm <sup>3</sup>
						SO2 (process)	50 PPM
						Ammonia	50 Mg/Nm <sup>3</sup>

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S42	Boilers (2 Nos) 8 TPH & 8 TPH	ESP	35.00	Briquette 1903 MT/M	0.06	TPM	50 Mg/Nm <sup>3</sup>

\* Overall total fuel consumption of LSHS quantity shall not exceeds 937 MT/M Or Natural Gas quantity shall not exceed 4274 SCM/Hr

- The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
- The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Parameters	Standards (unit)	
Total Particulate Matter	Not to exceed	50 mg/ Nm <sup>3</sup>

- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).



**SCHEDULE-III**  
**Details of Bank Guarantees:**

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C2R	25 Lakh	Existing	Towards O & M of Pollution Control Systems and towards compliance of consent conditions	30.04.2029	31.10.2029
2	C2R	5 Lakh	Existing	Towards achieving ZLD	30.04.2029	31.10.2029

**BG Forfeiture History**

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

**BG Return details**

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				



**SCHEDULE-IV**  
**General Conditions:**

1. The waste generator shall.-
  - a) take steps to minimize generation of plastic waste and segregate plastic waste at source in accordance with the Plastic Waste Management Rules, 2016 or as amended from time to time.
  - b) not litter the plastic waste and ensure segregated storage of waste at source and handover segregated waste to urban local body or gram panchayat or agencies appointed by them or registered waste pickers', registered recyclers or waste collection agencies;
2. All institutional generators of plastic waste, shall segregate and store the waste generated by them in accordance with the Plastic Waste Management Rules, 2016 amendment from time to time and handover segregated wastes to authorized waste processing or disposal facilities or deposition centers either on its own or through the authorized waste collection agency.
3. All waste generators shall pay such user fee or charge as may be specified in the byelaws of the local bodies for plastic waste management such as waste collection or operation of the facility thereof, etc.;
4. Every person responsible for organizing an event in open space, which involves service of food stuff in plastic or multilayered packaging shall segregate and manage the waste generated during such events in accordance with the Plastic Waste Management Rules, 2016 amendment from time to time.
5. The Energy source for lighting purpose shall preferably be LED based
6. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
7. Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
8. The applicant shall maintain good housekeeping.

9. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
10. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
11. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding upon you.
12. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
13. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
14. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
15. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
16. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
17. You shall operate OCEMS installed for source emission round 'O' clock and transmit data online to CPCB and MPCB server. You shall also monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
18. You shall ensure collection, and segregation of BMW regularly to treat and dispose Off within 48 hrs from generation.
19. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
20. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
21. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
22. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
23. You shall not Rent, Lend, Sell, Transfer or Close Down the facility or otherwise transport the Bio Medical waste for any other purpose without obtaining prior written permission of the MPC Board.

24. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
25. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
26. The industry should not cause any nuisance in surrounding area.
27. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
28. You shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the facility premises.
29. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
30. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto
31. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
32. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
33. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
34. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
35. You should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
36. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

37. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
38. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
39. You shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website ([www.mpcb.gov.in](http://www.mpcb.gov.in)).
40. You shall create the Environmental Cell by appointing an Environmental Engineer and Chemist for looking after day-to-day activities related to compliance of CCA.
41. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 , Bio Medical Waste Management Rules,2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year in Form-IV by 30th June of every year
42. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 , Bio Medical Waste Management Rules,2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year in Form-IV by 30th June of every year

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This certificate is digitally & electronically signed.

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## **ANNEXURE-2**

### **(Analysis Report of Air Quality)**







# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**  
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025  
 Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: [pglab@aespl.co.in](mailto:pglab@aespl.co.in)  
 Tel:9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/04/81

Issue Date: 30/04/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: <a href="mailto:arvindpawar@lupin.com">arvindpawar@lupin.com</a>				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near DG Area				
<b>Date of Sampling</b>	: 15/04/2024-16/04/2024				
<b>Sampling Time</b>	: 09:00 to 09:00 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 20/04/2024	<b>Sample Identification</b>	: GFL/AA/24/04-84		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>11</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Date of Sample Analysis</b>	: 20/04/2024 to 29/04/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:28-37°C; Rain fall: No; P <sub>bar</sub> : 754 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/02, GOLDFINCH/INST-ADS/44				
<b>Calibration Status</b>	: Calibration on 13/09/2023 due on 13/09/2024 Calibration on 02/06/2023 due on 02/06/2024				
<b>Project/ job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.03.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	Sulphur dioxide as SO <sub>2</sub>	14.58	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	22.32	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	72.21	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	33.85	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	45.39	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	307.43	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Lead as Pb	< 0.5	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	08.92	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Arsenic as As	< 5.0	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed
12.	Benzene as C <sub>6</sub> H <sub>6</sub>	<0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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

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

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

**Note:**

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



Reshma S Patil  
(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&ISO 45001:2018  
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025  
 Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: pglab@aespl.co.in  
 Tel:9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/04/82

Issue Date: 30/04/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near ETP Plant				
<b>Date of Sampling</b>	: 11/04/2024-12/04/2024				
<b>Sampling Time</b>	: 12:15 to 12:15 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 20/04/2024	<b>Sample Identification</b>	: GFL/AA/24/04-83		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>11</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Date of Sample Analysis</b>	: 20/04/2024 to 29/04/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:29-39°C; Rain fall: No; P <sub>bar</sub> : 756 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/02, GOLDFINCH/INST-ADS/44				
<b>Calibration Status</b>	: Calibration on 13/09/2023 due on 13/09/2024 Calibration on 02/06/2023 due on 02/06/2024				
<b>Project/ Job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.03.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	Sulphur dioxide as SO <sub>2</sub>	32.67	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	21.18	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	71.30	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	33.34	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	23.6	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	264.03	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Lead as Pb	< 0.5	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	09.37	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Arsenic as As	< 5.0	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed
12.	Benzene as C <sub>6</sub> H <sub>6</sub>	<0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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

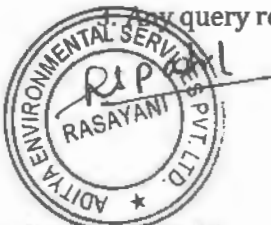
[\*] 24 hourly monitoring values; [\*\*] 1 hourly monitoring values; [\*\*\*] Annual monitoring values.

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

**Note:**

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



Reshma S Patil  
(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025

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

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



TC-7085

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/04/83

Issue Date: 30/04/2024

Name of Customer & Contact Details	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar – 9823829245 Email: arvindpawar@lupin.com				
Name of Site	: Lupin Tarapur				
Discipline & Group	: Chemical: Atmospheric Pollution				
Description of Sample	: Ambient Air				
Location of Sampling	: Near Main Gate				
Date of Sampling	: 10/04/2024-11/04/2024				
Sampling Time	: 11:30 to 11:30 hr.	Duration	: 24 Hr.		
Sample Drawn By	: Goldfinch	Transported By	: Goldfinch		
Date of Sample Receipt	: 20/04/2024	Sample Identification	: GFL/AA/24/04-82		
Sample Quantity & Container	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
Date of Sample Analysis	: 20/04/2024 to 29/04/2024				
Sampling Environmental Conditions	: Temperature:29-37°C; Rain fall: No; P <sub>bar</sub> : 754 mmHg.				
Transportation Condition	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
Sampling Equipment	: GOLDFINCH/INST-HVS/02, GOLDFINCH/INST-ADS/44				
Calibration Status	: Calibration on 13/09/2023 due on 13/09/2024 Calibration on 02/06/2023 due on 02/06/2024				
Project/ Job number	: SO Number: 3100280632 dated 19.07.2023				
Reference of Sampling	: QF/LA/01 B – 30.03.2024				
Method of Sampling & Preservation	: QD/LA/13				
Environmental Condition while Testing	: Ambient Temperature: 27°C and Humidity: 40%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	Sulphur dioxide as SO <sub>2</sub>	56.53	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	39.48	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	69.96	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	27.47	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	32.64	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	191.60	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Lead as Pb	< 0.5	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	10.70	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Arsenic as As	< 5.0	06 ***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed
12.	Benzene as C <sub>6</sub> H <sub>6</sub>	<0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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

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

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

### Note:

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Reshmi Patil

(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&ISO 45001:2018  
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025  
 Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: pglab@aespl.co.in  
 Tel:9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/05/20

Issue Date: 30/05/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near DG Area				
<b>Date of Sampling</b>	: 08/05/2024-09/05/2024				
<b>Sampling Time</b>	: 14:30 to 14:30 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 17/05/2024	<b>Sample Identification</b>	: GFL/AA/24/05-34		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>11</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Period of Sample Analysis</b>	: 17/05/2024 to 29/05/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:29-41°C; Rain fall: No; P <sub>bar</sub> : 756 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/73, GOLDFINCH/INST-ADS/78				
<b>Calibration Status</b>	: Calibration on 12/09/2023 due on 12/09/2024 Calibration on 13/09/2023 due on 13/09/2024				
<b>Project/ Job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.04.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	Sulphur dioxide as SO <sub>2</sub>	09.53	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	22.74	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	68.21	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	31.17	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	<39.0	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	200.35	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Lead as Pb	< 0.5	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	7.33	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Arsenic as As	< 5.0	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed
12.	Benzene as C <sub>6</sub> H <sub>6</sub>	<0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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

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

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

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**Reshma S Patil**  
(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025

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

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



TC-7085

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/05/28

Issue Date: 30/05/2024

Name of Customer & Contact Details	M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com		
Name of Site	Lupin Tarapur		
Discipline & Group	Chemical: Atmospheric Pollution		
Description of Sample	Ambient Air		
Location of Sampling	Near ETP Plant		
Date of Sampling	14/05/2024-15/05/2024		
Sampling Time	10:10 to 10:10 hr.	Duration	24 Hr.
Sample Drawn By	Goldfinch	Transported By	Goldfinch
Date of Sample Receipt	17/05/2024	Sample Identification	GFL/AA/24/05-33
Sample Quantity & Container	SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>11-1</sub> ; PM <sub>2.5-1</sub> ; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1		
Period of Sample Analysis	17/05/2024 to 29/05/2024		
Sampling Environmental Conditions	Temperature:28-36°C; Rain fall: No; P <sub>bar</sub> : 754 mmHg.		
Transportation Condition	Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.
Sampling Equipment	GOLDFINCH/INST-HVS/73, GOLDFINCH/INST-ADS/78		
Calibration Status	Calibration on 12/09/2023 due on 12/09/2024 Calibration on 13/09/2023 due on 13/09/2024		
Project/ job number	SO Number: 3100280632 dated 19.07.2023		
Reference of Sampling	QF/LA/01 B - 30.04.2024		
Method of Sampling & Preservation	QD/LA/13		
Environmental Condition while Testing	Ambient Temperature: 27°C and Humidity: 40%		

Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	Sulphur dioxide as SO <sub>2</sub>	08.51	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	18.18	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	68.69	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	33.06	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	<39.0	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	137.97	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Lead as Pb	< 0.5	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	6.04	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Arsenic as As	< 5.0	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed
12.	Benzene as C <sub>6</sub> H <sub>6</sub>	2.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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

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

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

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**Reshma S Patil**  
(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025

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

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



TC-7085

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/05/17

Issue Date: 30/05/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near Main Gate				
<b>Date of Sampling</b>	: 07/05/2024-08/05/2024				
<b>Sampling Time</b>	: 13:40 to 13:40 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 17/05/2024	<b>Sample Identification</b>	: GFL/AA/24/05-32		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Time of Sample Analysis</b>	: 17/05/2024 to 29/05/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:29-39°C; Rain fall: No; P <sub>bar</sub> : 756 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	: Filter papers in plastic container	: Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/73, GOLDFINCH/INST-ADS/78				
<b>Calibration Status</b>	: Calibration on 12/09/2023 due on 12/09/2024 Calibration on 13/09/2023 due on 13/09/2024				
<b>Project/ Job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.04.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
<b>Sr. No.</b>	<b>Parameter</b>	<b>Result</b>	<b>Limits #</b>	<b>Unit</b>	<b>Method of Analysis</b>
1.	Sulphur dioxide as SO <sub>2</sub>	10.74	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	08.70	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	61.71	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	31.34	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	<39.00	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	312.30	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Lead as Pb	< 0.5	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	9.86	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Arsenic as As	< 5.0	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed
12.	Benzene as C <sub>6</sub> H <sub>6</sub>	<0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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

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

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

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Reshmi S. Patil

(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025

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

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



TC-7085

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/06/15

Issue Date: 26/06/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: <a href="mailto:arvindpawar@lupin.com">arvindpawar@lupin.com</a>				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near DG Area				
<b>Date of Sampling</b>	: 10/06/2024-11/06/2024				
<b>Sampling Time</b>	: 10:00 to 10:00 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 15/06/2024	<b>Sample Identification</b>	: GFL/AA/24/06-30		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>11-1</sub> ; PM <sub>2.5-1</sub> ; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Date of Sample Analysis</b>	: 17/06/2024 to 25/06/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:28-35°C; Rain fall: No; P <sub>bar</sub> : 752 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	: Filter papers in plastic container	: Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/35, GOLDFINCH/INST-ADS/44				
<b>Calibration Status</b>	: Calibration on 23.04.2024 due on 23.04.2025 Calibration on 30.05.2024 due on 30.05.2025				
<b>Project/ job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.05.2024				
<b>Method of Sampling &amp; Preservation</b>	: OD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
<b>Sr. No.</b>	<b>Parameter</b>	<b>Result</b>	<b>Limits #</b>	<b>Unit</b>	<b>Method of Analysis</b>
1.	Sulphur dioxide as SO <sub>2</sub>	13.75	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	25.17	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	63.90	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	31.89	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	10.22	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	214.35	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Benzene as C <sub>6</sub> H <sub>6</sub>	<0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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

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

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Reshma S Patil  
(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025

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

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

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/06/15

Issue Date: 26/06/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near DG Area				
<b>Date of Sampling</b>	: 10/06/2024-11/06/2024				
<b>Sampling Time</b>	: 10:00 to 10:00 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 15/06/2024	<b>Sample Identification</b>	: GFL/AA/24/06-30		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>11</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Date of Sample Analysis</b>	: 17/06/2024 to 25/06/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:28-35°C; Rain fall: No; P <sub>bar</sub> : 752 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/35, GOLDFINCH/INST-ADS/44				
<b>Calibration Status</b>	: Calibration on 23.04.2024 due on 23.04.2025 Calibration on 30.05.2024 due on 30.05.2025				
<b>Project/ Job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.05.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
<b>Sr. No.</b>	<b>Parameter</b>	<b>Result</b>	<b>Limits #</b>	<b>Unit</b>	<b>Method of Analysis</b>
10.	Lead as Pb	< 0.5	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	13.73	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
12.	Arsenic as As	< 5.0	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed

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Resuma A Patil  
(Authorized Signatory)

-End of Test Report-





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Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025

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

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



TC-7085

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/06/16

Issue Date: 26/06/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near ETP Plant				
<b>Date of Sampling</b>	: 07/06/2024-08/06/2024				
<b>Sampling Time</b>	: 16:30 to 16:30 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 15/06/2024	<b>Sample Identification</b>	: GFL/AA/24/06-29		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Date of Sample Analysis</b>	: 17/06/2024 to 25/06/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:28-35°C; Rain fall: No; P <sub>bar</sub> : 750 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/35, GOLDFINCH/INST-ADS/44				
<b>Calibration Status</b>	: Calibration on 23.04.2024 due on 23.04.2025 Calibration on 30.05.2024 due on 30.05.2025				
<b>Project/ job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.05.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	Sulphur dioxide as SO <sub>2</sub>	14.14	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	27.41	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	63.38	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	33.67	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	10.56	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	304.28	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Benzene as C <sub>6</sub> H <sub>6</sub>	< 0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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

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Reena S Patil  
(Authorized Signatory)

-End of Test Report-



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

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

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/06/16

Issue Date: 26/06/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near ETP Plant				
<b>Date of Sampling</b>	: 07/06/2024-08/06/2024				
<b>Sampling Time</b>	: 16:30 to 16:30 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 15/06/2024	<b>Sample Identification</b>	: GFL/AA/24/06-29		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Date of Sample Analysis</b>	: 17/06/2024 to 25/06/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:28-35°C; Rain fall: No; P <sub>bar</sub> : 750 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/35, GOLDFINCH/INST-ADS/44				
<b>Calibration Status</b>	: Calibration on 23.04.2024 due on 23.04.2025 Calibration on 30.05.2024 due on 30.05.2025				
<b>Project/ job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.05.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
<b>Sr. No.</b>	<b>Parameter</b>	<b>Result</b>	<b>Limits #</b>	<b>Unit</b>	<b>Method of Analysis</b>
10.	Lead as Pb	< 0.5	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	11.69	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
12.	Arsenic as As	<5.0	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed

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Reshma S Path  
(Authorized Signatory)

-End of Test Report-



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



TC-7085

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/06/17

Issue Date: 26/06/2024

Name of Customer & Contact Details	M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com		
Name of Site	Lupin Tarapur		
Discipline & Group	Chemical: Atmospheric Pollution		
Description of Sample	Ambient Air		
Location of Sampling	Near Main Gate		
Date of Sampling	06/06/2024-07/06/2024		
Sampling Time	14:30 to 14:30 hr.	Duration	24 Hr.
Sample Drawn By	Goldfinch	Transported By	Goldfinch
Date of Sample Receipt	15/06/2024	Sample Identification	GFL/AA/24/06-28
Sample Quantity & Container	SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1		
Date of Sample Analysis	17/06/2024 to 25/06/2024		

Sampling Environmental Conditions	Temperature:29-35°C; Rain fall: No; P <sub>bar</sub> : 752 mmHg.		
Transportation Condition	Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.
Sampling Equipment	GOLDFINCH/INST-HVS/35, GOLDFINCH/INST-ADS/44		
Calibration Status	Calibration on 23.04.2024 due on 23.04.2025 Calibration on 30.05.2024 due on 30.05.2025		
Project/ Job number	SO Number: 3100280632 dated 19.07.2023		
Reference of Sampling	QF/LA/01 B - 30.05.2024		
Method of Sampling & Preservation	QD/LA/13		
Environmental Condition while Testing	Ambient Temperature: 27°C and Humidity: 40%		

Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	Sulphur dioxide as SO <sub>2</sub>	11.06	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	24.18	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	67.28	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	34.92	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	10.11	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	38.02	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
12.	Benzene as C <sub>6</sub> H <sub>6</sub>	<0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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Reshina S Patil  
(Authorized Signatory)

-End of Test Report-



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

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

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/06/17

Issue Date: 26/06/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar – 9823829245 Email: <a href="mailto:arvindpawar@lupin.com">arvindpawar@lupin.com</a>				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near Main Gate				
<b>Date of Sampling</b>	: 06/06/2024-07/06/2024				
<b>Sampling Time</b>	: 14:30 to 14:30 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 15/06/2024	<b>Sample Identification</b>	: GFL/AA/24/06-28		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10-1</sub> ; PM <sub>2.5-1</sub> ; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Date of Sample Analysis</b>	: 17/06/2024 to 25/06/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:29-35°C; Rain fall: No; P <sub>bar</sub> : 752 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	: Filter papers in plastic container	: Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/35, GOLDFINCH/INST-ADS/44				
<b>Calibration Status</b>	: Calibration on 23.04.2024 due on 23.04.2025 Calibration on 30.05.2024 due on 30.05.2025				
<b>Project/ job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B – 30.05.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
9.	Lead as Pb	< 0.5	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	12.19	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Arsenic as As	<5.0	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed

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Rashmi S. Patil  
(Authorized Signatory)

-End of Test Report-



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

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

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



TC-7085

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/07/11

Issue Date: 23/07/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near ETP Plant				
<b>Date of Sampling</b>	: 05/07/2024-06/07/2024				
<b>Sampling Time</b>	: 13:30 to 13:30 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 15/07/2024	<b>Sample Identification</b>	: GFL/AA/24/07-24		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Date of Sample Analysis</b>	: 15/07/2024 to 22/07/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:27-31°C; Rain fall: No; P <sub>bar</sub> : 752 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/74, GOLDFINCH/INST-ADS/43				
<b>Calibration Status</b>	: Calibration on 12.09.2023 due on 12.09.2024 Calibration on 30.05.2024 due on 30.05.2025				
<b>Project/ Job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 29.06.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
<b>Sr. No.</b>	<b>Parameter</b>	<b>Result</b>	<b>Limits #</b>	<b>Unit</b>	<b>Method of Analysis</b>
1.	Sulphur dioxide as SO <sub>2</sub>	12.59	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	18.01	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	42.03	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	20.03	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	<33.0	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	168.05	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Benzene as C <sub>6</sub> H <sub>6</sub>	< 0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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

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**Reshma S Patil**  
(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025

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

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

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/07/11

Issue Date: 23/07/2024

Name of Customer & Contact Details	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: <a href="mailto:arvindpawar@lupin.com">arvindpawar@lupin.com</a>				
Name of Site	: Lupin Tarapur				
Discipline & Group	: Chemical: Atmospheric Pollution				
Description of Sample	: Ambient Air				
Location of Sampling	: Near ETP Plant				
Date of Sampling	: 05/07/2024-06/07/2024				
Sampling Time	: 13:30 to 13:30 hr.	Duration	: 24 Hr.		
Sample Drawn By	: Goldfinch	Transported By	: Goldfinch		
Date of Sample Receipt	: 15/07/2024	Sample Identification	: GFL/AA/24/07-24		
Sample Quantity & Container	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10-1</sub> ; PM <sub>2.5-1</sub> ; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
Date of Sample Analysis	: 15/07/2024 to 22/07/2024				
Sampling Environmental Conditions	: Temperature:27-31°C; Rain fall: No; P <sub>bar</sub> : 752 mmHg.				
Transportation Condition	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
Sampling Equipment	: GOLDFINCH/INST-HVS/74, GOLDFINCH/INST-ADS/43				
Calibration Status	: Calibration on 12.09.2023 due on 12.09.2024 Calibration on 30.05.2024 due on 30.05.2025				
Project/ job number	: SO Number: 3100280632 dated 19.07.2023				
Reference of Sampling	: QF/LA/01 B - 29.06.2024				
Method of Sampling & Preservation	: QD/LA/13				
Environmental Condition while Testing	: Ambient Temperature: 27°C and Humidity: 40%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
10.	Lead as Pb	<0.1	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	8.01	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
12.	Arsenic as As	<0.5	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed

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

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

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

**Note:**

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Reshma S Patil  
(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025

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

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



TC-7085

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/07/12

Issue Date: 23/07/2024

Name of Customer & Contact Details	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar – 9823829245 Email: arvindpawar@lupin.com				
Name of Site	: Lupin Tarapur				
Discipline & Group	: Chemical: Atmospheric Pollution				
Description of Sample	: Ambient Air				
Location of Sampling	: Near DG Area				
Date of Sampling	: 08/07/2024-09/07/2024				
Sampling Time	: 09:30 to 09:30 hr.	Duration	: 24 Hr.		
Sample Drawn By	: Goldfinch	Transported By	: Goldfinch		
Date of Sample Receipt	: 15/07/2024	Sample Identification	: GFL/AA/24/06-25		
Sample Quantity & Container	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>11-1</sub> ; PM <sub>2.5-1</sub> ; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
Date of Sample Analysis	: 15/07/2024 to 22/07/2024				
Sampling Environmental Conditions	: Temperature:28-35°C; Rain fall: No; P <sub>bar</sub> : 752 mmHg.				
Transportation Condition	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
Sampling Equipment	: GOLDFINCH/INST-HVS/74, GOLDFINCH/INST-ADS/43				
Calibration Status	: Calibration on 12.09.2023 due on 12.09.2024 Calibration on 30.05.2024 due on 30.05.2025				
Project/ job number	: SO Number: 3100280632 dated 19.07.2023				
Reference of Sampling	: QF/LA/01 B – 29.06.2024				
Method of Sampling & Preservation	: QD/LA/13				
Environmental Condition while Testing	: Ambient Temperature: 27°C and Humidity: 40%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	Sulphur dioxide as SO <sub>2</sub>	11.53	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	21.49	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	41.61	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	25.82	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	<33.0	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	317.85	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Benzene as C <sub>6</sub> H <sub>6</sub>	<0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

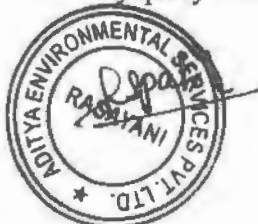
[ #] Specified under National Ambient Air Quality Standards by CPCB:

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

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

**Note:**

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Reshma S Patil  
(Authorized Signatory)

-End of Test Report-



## ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025

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

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

### Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/07/12

Issue Date: 23/07/2024

Name of Customer & Contact Details	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar – 9823829245 Email: <a href="mailto:arvindpawar@lupin.com">arvindpawar@lupin.com</a>				
Name of Site	: Lupin Tarapur				
Discipline & Group	: Chemical: Atmospheric Pollution				
Description of Sample	: Ambient Air				
Location of Sampling	: Near DG Area				
Date of Sampling	: 08/07/2024-09/07/2024				
Sampling Time	: 09:30 to 09:30 hr.	Duration	: 24 Hr.		
Sample Drawn By	: Goldfinch	Transported By	: Goldfinch		
Date of Sample Receipt	: 15/07/2024	Sample Identification	: GFL/AA/24/06-25		
Sample Quantity & Container	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>11-1</sub> ; PM <sub>2.5-1</sub> ; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
Date of Sample Analysis	: 15/07/2024 to 22/07/2024				
Sampling Environmental Conditions	: Temperature:28-35°C; Rain fall: No; P <sub>bar</sub> : 752 mmHg.				
Transportation Condition	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
Sampling Equipment	: GOLDFINCH/INST-HVS/74, GOLDFINCH/INST-ADS/43				
Calibration Status	: Calibration on 12.09.2023 due on 12.09.2024 Calibration on 30.05.2024 due on 30.05.2025				
Project/ Job number	: SO Number: 3100280632 dated 19.07.2023				
Reference of Sampling	: QF/LA/01 B – 29.06.2024				
Method of Sampling & Preservation	: QD/LA/13				
Environmental Condition while Testing	: Ambient Temperature: 27°C and Humidity: 40%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
10.	Lead as Pb	< 0.1	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	7.83	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
12.	Arsenic as As	< 0.5	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed

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

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

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Reshma S Patil  
(Authorized Signatory)

-End of Test Report-





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

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



TC-7085

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/07/13

Issue Date: 23/07/2024

Name of Customer & Contact Details	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com		
Name of Site	: Lupin Tarapur		
Discipline & Group	: Chemical: Atmospheric Pollution		
Description of Sample	: Ambient Air		
Location of Sampling	: Near Main Gate		
Date of Sampling	: 04/07/2024-05/07/2024		
Sampling Time	: 13:00 to 13:00 hr.	Duration	: 24 Hr.
Sample Drawn By	: Goldfinch	Transported By	: Goldfinch
Date of Sample Receipt	: 15/07/2024	Sample Identification	: GFL/AA/24/07-23
Sample Quantity & Container	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1		
Date of Sample Analysis	: 15/07/2024 to 22/07/2024		

Sampling Environmental Conditions	: Temperature:27-32°C; Rain fall: No; P <sub>bar</sub> : 752 mmHg.		
Transportation Condition	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.
Sampling Equipment	: GOLDFINCH/INST-HVS/74, GOLDFINCH/INST-ADS/43		
Calibration Status	: Calibration on 12.09.2023 due on 12.09.2024 Calibration on 30.05.2024 due on 30.05.2025		
Project/ Job number	: SO Number: 3100280632 dated 19.07.2023		
Reference of Sampling	: QF/LA/01 B - 29.06.2024		
Method of Sampling & Preservation	: OD/LA/13		
Environmental Condition while Testing	: Ambient Temperature: 27°C and Humidity: 40%		

Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	Sulphur dioxide as SO <sub>2</sub>	8.14	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	41.07	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	56.40	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	23.66	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	48.56	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	209.12	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Benzene as C <sub>6</sub> H <sub>6</sub>	<0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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(Authorized Signatory)

-End of Test Report-



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

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

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/07/13

Issue Date: 23/07/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: <a href="mailto:arvindpawar@lupin.com">arvindpawar@lupin.com</a>				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near Main Gate				
<b>Date of Sampling</b>	: 04/07/2024-05/07/2024				
<b>Sampling Time</b>	: 13:00 to 13:00 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 15/07/2024	<b>Sample Identification</b>	: GFL/AA/24/07-23		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Date of Sample Analysis</b>	: 15/07/2024 to 22/07/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:27-32°C; Rain fall: No; P <sub>bar</sub> : 752 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/74, GOLDFINCH/INST-ADS/43				
<b>Calibration Status</b>	: Calibration on 12.09.2023 due on 12.09.2024 Calibration on 30.05.2024 due on 30.05.2025				
<b>Project/ Job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 29.06.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
<b>Sr. No.</b>	<b>Parameter</b>	<b>Result</b>	<b>Limits #</b>	<b>Unit</b>	<b>Method of Analysis</b>
10.	Lead as Pb	< 0.1	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	7.61	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
12.	Arsenic as As	<0.5	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed

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**Reshma S Patil**  
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Tel:9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/08/73

Issue Date: 23/08/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: <a href="mailto:arvindpawar@lupin.com">arvindpawar@lupin.com</a>				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near Main Gate				
<b>Date of Sampling</b>	: 05/08/2024-06/08/2024				
<b>Sampling Time</b>	: 11:00 to 11:00 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 16/08/2024	<b>Sample Identification</b>	: GFL/AA/24/08-162		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Period of Sample Analysis</b>	: 16/08/2024 to 23/08/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:29-35°C; Rain fall: Yes; P <sub>bar</sub> : 754 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	: Filter papers in plastic container	: Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/02, GOLDFINCH/INST-ADS/44				
<b>Calibration Status</b>	: Calibration on 13.09.2023 due on 13.09.2024 Calibration on 30.05.2024 due on 30.05.2025				
<b>Project/ Job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.07.2024				
<b>Method of Sampling &amp; Preservation</b>	: OD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
<b>Sr. No.</b>	<b>Parameter</b>	<b>Result</b>	<b>Limits #</b>	<b>Unit</b>	<b>Method of Analysis</b>
1.	Sulphur dioxide as SO <sub>2</sub>	7.07	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	16.31	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	74.62	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	27.49	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	<32.00	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	308.52	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Benzene as C <sub>6</sub> H <sub>6</sub>	<0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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

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

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Reshma S Patil  
(Authorized Signatory)



-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025

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

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

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/08/73

Issue Date: 23/08/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near Main Gate				
<b>Date of Sampling</b>	: 05/08/2024-06/08/2024				
<b>Sampling Time</b>	: 11:00 to 11:00 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 16/08/2024	<b>Sample Identification</b>	: GFL/AA/24/08-162		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Period of Sample Analysis</b>	: 16/08/2024 to 23/08/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:29-35°C; Rain fall: Yes; P <sub>bar</sub> : 754 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	: Filter papers in plastic container	: Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/02, GOLDFINCH/INST-ADS/44				
<b>Calibration Status</b>	: Calibration on 13.09.2023 due on 13.09.2024 Calibration on 30.05.2024 due on 30.05.2025				
<b>Project/ Job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.07.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
<b>Sr. No.</b>	<b>Parameter</b>	<b>Result</b>	<b>Limits #</b>	<b>Unit</b>	<b>Method of Analysis</b>
10.	Lead as Pb	< 0.5	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	7.10	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
12.	Arsenic as As	<5.0	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed

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

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

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

### Note:

1. The test report shall not be reproduced except in full, without written approval of laboratory.
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Reshma [Signature]  
(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025

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

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



TC-7085

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/08/72

Issue Date: 23/08/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near ETP Plant				
<b>Date of Sampling</b>	: 06/08/2024-07/08/2024				
<b>Sampling Time</b>	: 12:00 to 12:00 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 16/08/2024	<b>Sample Identification</b>	: GFL/AA/24/08-163		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Date of Sample Analysis</b>	: 16/08/2024 to 23/08/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:28-35°C; Rain fall: No; P <sub>bar</sub> : 760 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/02, GOLDFINCH/INST-ADS/44				
<b>Calibration Status</b>	: Calibration on 13.09.2023 due on 13.09.2024 Calibration on 30.05.2024 due on 30.05.2025				
<b>Project/ job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.07.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	Sulphur dioxide as SO <sub>2</sub>	6.05	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	14.16	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	60.36	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	21.15	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	<32.0	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	162.13	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Benzene as C <sub>6</sub> H <sub>6</sub>	< 0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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

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

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

### Note:

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



Reshma G. Patil  
(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025

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

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

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/08/72

Issue Date: 23/08/2024

Name of Customer & Contact Details	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com				
Name of Site	: Lupin Tarapur				
Discipline & Group	: Chemical: Atmospheric Pollution				
Description of Sample	: Ambient Air				
Location of Sampling	: Near ETP Plant				
Date of Sampling	: 06/08/2024-07/08/2024				
Sampling Time	: 12:00 to 12:00 hr.	Duration	: 24 Hr.		
Sample Drawn By	: Goldfinch	Transported By	: Goldfinch		
Date of Sample Receipt	: 16/08/2024	Sample Identification	: GFL/AA/24/08-163		
Sample Quantity & Container	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>10</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
Date of Sample Analysis	: 16/08/2024 to 23/08/2024				
Sampling Environmental Conditions	: Temperature:28-35°C; Rain fall: No; P <sub>bar</sub> : 760 mmHg.				
Transportation Condition	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
Sampling Equipment	: GOLDFINCH/INST-HVS/02, GOLDFINCH/INST-ADS/44				
Calibration Status	: Calibration on 13.09.2023 due on 13.09.2024 Calibration on 30.05.2024 due on 30.05.2025				
Project/ Job number	: SO Number: 3100280632 dated 19.07.2023				
Reference of Sampling	: QF/LA/01 B - 30.07.2024				
Method of Sampling & Preservation	: QD/LA/13				
Environmental Condition while Testing	: Ambient Temperature: 27°C and Humidity: 40%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
10.	Lead as Pb	< 0.5	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	5.97	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
12.	Arsenic as As	<5.0	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed

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

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

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

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Reshma S Patil  
(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&ISO 45001:2018  
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025  
 Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: [pglab@aespl.co.in](mailto:pglab@aespl.co.in)  
 Tel:9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/08/71

Issue Date: 23/08/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: <a href="mailto:arvindpawar@lupin.com">arvindpawar@lupin.com</a>				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near DG Area				
<b>Date of Sampling</b>	: 12/08/2024-13/08/2024				
<b>Sampling Time</b>	: 10:00 to 10:00 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 16/08/2024	<b>Sample Identification</b>	: GFL/AA/24/08-164		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>11</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Date of Sample Analysis</b>	: 16/08/2024 to 23/08/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:28-35°C; Rain fall: No; P <sub>bar</sub> : 754 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	: Filter papers in plastic container	: Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/02, GOLDFINCH/INST-ADS/44				
<b>Calibration Status</b>	: Calibration on 13.09.2023 due on 13.09.2024 Calibration on 30.05.2024 due on 30.05.2025				
<b>Project/ Job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.07.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	Sulphur dioxide as SO <sub>2</sub>	6.50	80 *	µg/m <sup>3</sup>	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO <sub>2</sub>	14.16	80 *	µg/m <sup>3</sup>	IS 5182 (Part 6) RA2022
3.	PM <sub>10</sub>	61.49	100 *	µg/m <sup>3</sup>	IS 5182 (Part 23) RA2022
4.	PM <sub>2.5</sub>	21.70	60 *	µg/m <sup>3</sup>	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	<1.0	04 **	mg/m <sup>3</sup>	IS 5182 (part 11) RA2019
6.	Ozone as O <sub>3</sub>	<32.0	180 **	µg/m <sup>3</sup>	IS 5182 (part 9) RA2019
7.	Ammonia as NH <sub>3</sub>	214.35	400 *	µg/m <sup>3</sup>	IS 5182 (part 25) RA 2018
8.	Benzo(a)pyrene as BaP	< 0.5	01 ***	ng/m <sup>3</sup>	IS 5182 (part 12) 2004
9.	Benzene as C <sub>6</sub> H <sub>6</sub>	<0.8	05 ***	µg/m <sup>3</sup>	IS 5182 (part 11) RA2022

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

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

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

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Reshmi S. Patil

(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&ISO 45001:2018  
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025  
 Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: [pglab@aespl.co.in](mailto:pglab@aespl.co.in)  
 Tel:9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787

## Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/08/71

Issue Date: 23/08/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: <a href="mailto:arvindpawar@lupin.com">arvindpawar@lupin.com</a>				
<b>Name of Site</b>	: Lupin Tarapur				
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution				
<b>Description of Sample</b>	: Ambient Air				
<b>Location of Sampling</b>	: Near DG Area				
<b>Date of Sampling</b>	: 12/08/2024-13/08/2024				
<b>Sampling Time</b>	: 10:00 to 10:00 hr.	<b>Duration</b>	: 24 Hr.		
<b>Sample Drawn By</b>	: Goldfinch	<b>Transported By</b>	: Goldfinch		
<b>Date of Sample Receipt</b>	: 16/08/2024	<b>Sample Identification</b>	: GFL/AA/24/08-164		
<b>Sample Quantity &amp; Container</b>	: SO <sub>2</sub> :1 Bottle; NO <sub>2</sub> :1 Bottle; PM <sub>11</sub> -1; PM <sub>2.5</sub> -1; O <sub>3</sub> : 1 Bottle & NH <sub>3</sub> :1 Bottle; Bladder:1; Charcoal Tube:1				
<b>Date of Sample Analysis</b>	: 16/08/2024 to 23/08/2024				
<b>Sampling Environmental Conditions</b>	: Temperature:28-35°C; Rain fall: No; P <sub>bar</sub> : 754 mmHg.				
<b>Transportation Condition</b>	: Bottles < 5°C	Filter papers in plastic container	Bladder, charcoal tube at ambient temp.		
<b>Sampling Equipment</b>	: GOLDFINCH/INST-HVS/02, GOLDFINCH/INST-ADS/44				
<b>Calibration Status</b>	: Calibration on 13.09.2023 due on 13.09.2024 Calibration on 30.05.2024 due on 30.05.2025				
<b>Project/ Job number</b>	: SO Number: 3100280632 dated 19.07.2023				
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.07.2024				
<b>Method of Sampling &amp; Preservation</b>	: QD/LA/13				
<b>Environmental Condition while Testing</b>	: Ambient Temperature: 27°C and Humidity: 40%				
<b>Sr. No.</b>	<b>Parameter</b>	<b>Result</b>	<b>Limits #</b>	<b>Unit</b>	<b>Method of Analysis</b>
10.	Lead as Pb	< 0.5	1.0 *	µg/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
11.	Nickel as Ni	5.97	20 ***	ng/m <sup>3</sup>	APHA Air method 822-3 <sup>rd</sup> Ed
12.	Arsenic as As	< 5.0	06***	ng/m <sup>3</sup>	APHA Air method 302-3 <sup>rd</sup> Ed

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

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

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

**Note:**

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Reshma S Patil  
(Authorized Signatory)

-End of Test Report-



# **ANNEXURE-3**

## **(Analysis Report of Ambient Noise)**





# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015 & ISO 45001:2018  
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025  
 Laboratory: P-1, MIDC Mohopada, Rasayani, Dist Raigad, 410222, E-mail: [pglab@aespl.co.in](mailto:pglab@aespl.co.in)  
 Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-00-29787



TC-7085

## Test Report (Noise)

Ref. No.: AESPL/LAB/C/N-24/04/67

Issue Date: 30/04/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: <a href="mailto:arvindpawar@lupin.com">arvindpawar@lupin.com</a>		
<b>Name of Site</b>	: Lupin Tarapur		
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution		
<b>Description of Sample</b>	: Ambient Noise		
<b>Location Details</b>	: At the periphery of site		
<b>Date of Sampling</b>	: 10/04/2024-13/04/2024	<b>Period of Sampling</b>	: Ambient
<b>Start &amp; End Time of Sampling (Daytime)</b>	: 06.00 Hr -22.00 Hr	<b>Start &amp; End Time of Sampling (Nighttime)</b>	: 22.00 Hr-06.00Hr.
<b>Monitored By</b>	: GESPL	<b>Transported By</b>	: Goldfinch
<b>Date of Data Receipt</b>	: 20/04/2024	<b>Sample Identification</b>	: GFL/AN/24/04-111 GFL/AN/24/04-112 GFL/AN/24/04-113
<b>Environmental Condition</b>	: Climate: Clear	<b>Ambient Temp:</b> 32 <sup>o</sup> C	
<b>Transportation Condition</b>	: Noise Data sheet is kept in folder and safely transported to laboratory along with Noise meter.		
<b>Sampling Equipment</b>	: Noise meter - GOLDFINCH/INST- DB Meter/79		
<b>Calibration Status</b>	: Calibrated on 19/10/2023; calibration due on 18/10/2024		
<b>Project/ Job Number</b>	: SO Number: 3100280632 dated 19.07.2023		
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.03.2024		
<b>Method of Sampling</b>	: IS 9989 RA:2023		
<b>Sr. No.</b>	<b>Location</b>	<b>Noise Day Time dB(A)</b>	<b>Noise Nighttime dB(A)</b>
1.	Near Main gate	64.2	56.5
2.	Near ETP Area	70.2	61.4
3.	Near DG Room	63.4	58.6
<b>Standard as per EP Act for Industrial Area</b>		<b>75</b>	<b>70</b>

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

**Note:**

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



**Reshma S. Patil.**  
**(Authorized Signatory)**

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015 & ISO 45001:2018  
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025  
 Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: [pglab@aespl.co.in](mailto:pglab@aespl.co.in)  
 Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-00-29787



TC-7085

## Test Report (Noise)

Ref. No.: AESPL/LAB/C/N-24/05/12

Issue Date: 30/05/2024

<b>Name of Customer &amp; Contact Details</b>		: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: <a href="mailto:arvindpawar@lupin.com">arvindpawar@lupin.com</a>	
<b>Name of Site</b>		: Lupin Tarapur	
<b>Discipline &amp; Group</b>		: Chemical: Atmospheric Pollution	
<b>Description of Sample</b>		: Ambient Noise	
<b>Location Details</b>		: At the periphery of site	
<b>Date of Sampling</b>	: 08/05/2024-14/05/2024	<b>Period of Sampling</b>	: Ambient
<b>Start &amp; End Time of Sampling (Daytime)</b>	: 06.00 Hr -22.00 Hr	<b>Start &amp; End Time of Sampling (Nighttime)</b>	: 22.00 Hr-06.00Hr.
<b>Monitored By</b>	: GESPL	<b>Transported By</b>	: Goldfinch
<b>Date of Data Receipt</b>	: 17/05/2024	<b>Sample Identification</b>	: GFL/AN/24/05-61 GFL/AN/24/05-62 GFL/AN/24/05-63
<b>Environmental Condition</b>	: Climate: Clear	<b>Ambient Temp:</b> 32 <sup>o</sup> C	
<b>Transportation Condition</b>	: Noise Data sheet is kept in folder and safely transported to laboratory along with Noise meter.		
<b>Sampling Equipment</b>	: Noise meter - <b>GOLDFINCH/INST- DB Meter/123</b>		
<b>Calibration Status</b>	: Calibrated on 18/03/2024; calibration due on 17/03/2025		
<b>Project/ Job Number</b>	: SO Number: 3100280632 dated 19.07.2023		
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.04.2024		
<b>Method of Sampling</b>	: IS 9989 RA:2023		
<b>Sr. No.</b>	<b>Location</b>	<b>Noise Day Time dB(A)</b>	<b>Noise Nighttime dB(A)</b>
1.	Near Main Gate	68.9	67.5
2.	Near ETP Area	69.8	66.7
3.	Near DG Room	61.5	61.4
<b>Standard as per EP Act for Industrial Area</b>		<b>75</b>	<b>70</b>

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

**Note:**

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



**Reshma S. Patil**  
**(Authorized Signatory)**

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015 & ISO 45001:2018  
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025  
 Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: [pglab@aespl.co.in](mailto:pglab@aespl.co.in)  
 Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-00-29787



TC-7085

## Test Report (Noise)

Ref. No.: AESPL/LAB/C/N-24/06/07

Issue Date: 26/06/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: <a href="mailto:arvindpawar@lupin.com">arvindpawar@lupin.com</a>		
<b>Name of Site</b>	: Lupin Tarapur		
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution		
<b>Description of Sample</b>	: Ambient Noise		
<b>Location Details</b>	: At the periphery of site		
<b>Date of Sampling</b>	: 07/06/2024-11/06/2024	<b>Period of Sampling</b>	: Ambient
<b>Start &amp; End Time of Sampling (Daytime)</b>	: 06.00 Hr -22.00 Hr	<b>Start &amp; End Time of Sampling (Nighttime)</b>	: 22.00 Hr-06.00Hr.
<b>Monitored By</b>	: GESPL	<b>Transported By</b>	: Goldfinch
<b>Date of Data Receipt</b>	: 15/06/2024	<b>Sample Identification</b>	: GFL/AN/24/06-56 GFL/AN/24/06-57 GFL/AN/24/06-58
<b>Environmental Condition</b>	: Climate: Clear	<b>Ambient Temp:</b> 32 <sup>o</sup> C	
<b>Transportation Condition</b>	: Noise Data sheet is kept in folder and safely transported to laboratory along with Noise meter.		
<b>Sampling Equipment</b>	: Noise meter - GOLDFINCH/INST- DB Meter/80		
<b>Calibration Status</b>	: Calibrated on 19/10/2023; calibration due on 18/10/2024		
<b>Project/ Job Number</b>	: SO Number: 3100280632 dated 19.07.2023		
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.05.2024		
<b>Method of Sampling</b>	: IS 9989 RA:2023		
<b>Sr. No.</b>	<b>Location</b>	<b>Noise Day Time dB(A)</b>	<b>Noise Nighttime dB(A)</b>
1.	Near Main Gate	62.3	58.5
2.	Near ETP Area	68.0	61.0
3.	Near DG Room	61.7	58.4
<b>Standard as per EP Act for Industrial Area</b>		<b>75</b>	<b>70</b>

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

**Note:**

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



**Rashmi S. Patil.**  
(Authorized Signatory)

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015 & ISO 45001:2018  
Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025  
Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: pglab@aespl.co.in  
Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-00-29787



TC-7085

## Test Report (Noise)

Ref. No.: AESPL/LAB/C/N-24/07/11

Issue Date: 23/07/2024

<b>Name of Customer &amp; Contact Details</b>		: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com	
<b>Name of Site</b>		: Lupin Tarapur	
<b>Discipline &amp; Group</b>		: Chemical: Atmospheric Pollution	
<b>Description of Sample</b>		: Ambient Noise	
<b>Location Details</b>		: At the periphery of site	
<b>Date of Sampling</b>	: 04/07/2024-09/07/2024	<b>Period of Sampling</b>	: Ambient
<b>Start &amp; End Time of Sampling (Daytime)</b>	: 06.00 Hr -22.00 Hr	<b>Start &amp; End Time of Sampling (Nighttime)</b>	: 22.00 Hr-06.00Hr.
<b>Monitored By</b>	: GESPL	<b>Transported By</b>	: Goldfinch
<b>Date of Data Receipt</b>	: 15/07/2024	<b>Sample Identification</b>	: GFL/AN/24/07-52 GFL/AN/24/07-53 GFL/AN/24/07-54
<b>Environmental Condition</b>	: Climate: Clear		<b>Ambient Temp:</b> 32 <sup>o</sup> C
<b>Transportation Condition</b>	: Noise Data sheet is kept in folder and safely transported to laboratory along with Noise meter.		
<b>Sampling Equipment</b>	: Noise meter - <b>GOLDFINCH/INST- DB Meter/79</b>		
<b>Calibration Status</b>	: Calibrated on 19/10/2023; calibration due on 18/10/2024		
<b>Project/ Job Number</b>	: SO Number: 3100280632 dated 19.07.2023		
<b>Reference of Sampling</b>	: QF/LA/01 B - 29.06.2024		
<b>Method of Sampling</b>	: IS 9989 RA:2023		
<b>Sr. No.</b>	<b>Location</b>	<b>Noise Day Time dB(A)</b>	<b>Noise Nighttime dB(A)</b>
1.	Near Main Gate	62.9	59.0
2.	Near Area	67.7	62.2
3.	Near DG Room	63.2	58.8
<b>Standard as per EP Act for Industrial Area</b>		<b>75</b>	<b>70</b>

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

### Note:

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



**Reshma S. Patil.**  
**(Authorized Signatory)**

-End of Test Report-



# ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015 & ISO 45001:2018  
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025  
 Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: pglab@aespl.co.in  
 Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-00-29787



TC-7085

## Test Report (Noise)

Ref. No.: AESPL/LAB/C/N-24/08/28

Issue Date: 23/08/2024

<b>Name of Customer &amp; Contact Details</b>	: M/s. Lupin Limited, Tarapur, T-142, MIDC Industrial Area, District Palghar, Tarapur 401506 Maharashtra Mr. Arvind Pawar - 9823829245 Email: arvindpawar@lupin.com		
<b>Name of Site</b>	: Lupin Tarapur		
<b>Discipline &amp; Group</b>	: Chemical: Atmospheric Pollution		
<b>Description of Sample</b>	: Ambient Noise		
<b>Location Details</b>	: At the periphery of site		
<b>Date of Sampling</b>	: 07/08/2024-09/08/2024	<b>Period of Sampling</b>	: Ambient
<b>Start &amp; End Time of Sampling (Daytime)</b>	: 06.00 Hr -22.00 Hr	<b>Start &amp; End Time of Sampling (Nighttime)</b>	: 22.00 Hr-06.00Hr.
<b>Monitored By</b>	: GESPL	<b>Transported By</b>	: Goldfinch
<b>Date of Data Receipt</b>	: 16/08/2024	<b>Sample Identification</b>	: GFL/AN/24/08-196 GFL/AN/24/08-197 GFL/AN/24/08-198
<b>Environmental Condition</b>	: Climate: Clear	<b>Ambient Temp:</b> 32 <sup>o</sup> C	
<b>Transportation Condition</b>	: Noise Data sheet is kept in folder and safely transported to laboratory along with Noise meter.		
<b>Sampling Equipment</b>	: Noise meter - GOLDFINCH/INST- DB Meter/80		
<b>Calibration Status</b>	: Calibrated on 19/10/2023; calibration due on 18/10/2024		
<b>Project/ Job Number</b>	: SO Number: 3100280632 dated 19.07.2023		
<b>Reference of Sampling</b>	: QF/LA/01 B - 30.05.2024		
<b>Method of Sampling</b>	: IS 9989 RA:2023		
<b>Sr. No.</b>	<b>Location</b>	<b>Noise Day Time dB(A)</b>	<b>Noise Nighttime dB(A)</b>
1.	Near Main Gate	59.7	59.4
2.	Near ETP Area	70.2	69.7
3.	Near DG Room	57.2	57.0
<b>Standard as per EP Act for Industrial Area</b>		<b>75</b>	<b>70</b>

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

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**Reshma S. Patil.**  
**(Authorized Signatory)**

-End of Test Report-