



NATCO PHARMA LIMITED

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GSTIN : 33AAACN6927A1ZW

02.11.2022
Manali-Chennai

To

The Director,
The Ministry of Environment and Forest & Climate Change,
Integrated Regional Office,
1st Floor, Additional Office Block for GPOA,
Shastri Bhawan, Haddows Road,
Nungambakkam, Chennai – 600 006

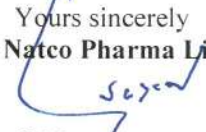
Dear Sir,

Sub: Submission of six-monthly Environmental Clearance Compliance statement for December 2022 (for the period from April 2022 to September 2022) for the M/s. Natco Pharma Limited, Chemical Division-Chennai

Ref.: Letter .No. SEIAA/TN/F.5869/5(f)/EC-67/2019 dated:20.02.2019

With reference to the above, we are submitting six monthly EC condition Compliance status Report for December 2022 (for the period from April 2022 to September 2022) along with required annexure for your perusal.
We are also sending the EC compliance in email to: ecompliance-tn@gov.in in PDF format as advised by Regional Office SEZ, MoEF&CC, GoI.

Thanking you

Yours sincerely
For Natco Pharma Limited

G. Vasanth
AVP-Operations

Copy to:

1. The Member Secretary,
State Level Environment Impact Assessment Authority,
3rd Floor, Panagal Maligai, No.1 Jeenis Road, Saidapet,
Chennai- 600 015.
2. The Director,
CPCB Zonal Office,
77-A, South Avenue Road, Ambattur Industrial Estate,
Ambattur Taluk, Chennai - 600 058.
3. The Chairman,
Tamil Nadu Pollution Control Board,
No-76, Mount Road, Guindy, Chennai-600 032



The RvA is a signatory to the IAF MLA

Manufacturing Site :
Chemical Division - Chennai.
(ISO 14001:2015 & ISO 45001:2018 Certified)
S.No. 74/7B, Vaikkadu TPP Salai, Manali, Chennai, Tamilnadu - 600 103.
Tel. : +91-7299009981/82/83/84





NATCO PHARMA LIMITED
Chemical Division- Chennai

Compliance Statement for Environmental Clearance vide Letter No. SEIAA / TN/F.5869/5 (f)/EC-67/2019 dated: 20.02.2019 (Proposed Project)

Environmental Clearance (EC)

Letter .No. SEIAA/TN/F.5869/5(f)/EC-67/2019 dated:20.02.2019

Period: April 2022 to Sep 2022

Compliance Status Report

Submitted to:

1. Ministry of Environment, Forest and Climate Change-Regional Office, Chennai.
2. State Level Environment Impact Assessment Authority (SEIAA) - Tamil Nadu
3. Tamil Nadu Pollution Control Board.
4. Central Pollution Control Board.

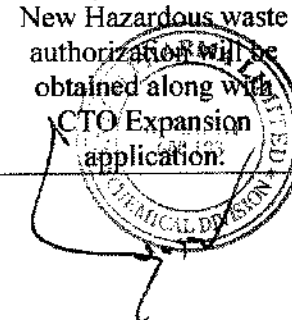




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Compliance Statement for Environmental Clearance vide Letter No. SEIAA / TN/F.5869/5 (f)/EC-67/2019 dated: 20.02.2019 (Proposed Project)

S. No.	Conditions	Compliance Status	Remarks
(A) Statutory Compliance			
i	The project proponent shall obtain forest clearance under the provision of forest (Conservation) Act, 1986, in case of diversion of the forest land for non-forest purpose involved in the project.	Not Applicable	-
ii	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable	-
iii	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan as approved by the Chief Wildlife Warden. The recommendation of the approved Site-Specific Conservation Plan / Wildlife Plan shall be implemented in consultation with State Forest Department. The implementation report shall be furnished along with six monthly compliance report. (In case of the presence of schedule-I species in the study area.	Not Applicable	-
iv	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of the Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.	Yes, Complied with given condition. CTE (Expansion) obtained.	Copy of CTE attached as Annexure-01
v	The project proponent shall obtain authorization under the hazardous & other Waste Management Rules, 2016 as amended from time to time.	Complied Existing Hazardous waste authorization valid up to 31.03.2027. New Hazardous waste authorization will be obtained along with CTO Expansion application.	-





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vi	The company shall strictly comply with rules and guidance under the Manufacturer, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended from time to time. All transportation of hazardous chemicals shall be as per the Motor Vehicle Act (MVA)	Yes, Complied with given condition.	-
(B) Air Quality Monitoring & Preservation			
i	The project proponent shall install 24×7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connect to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	We are having 8-process scrubber working with 99% efficiency and out let are having traces of VOC only. Therefore, online monitors is not required. However, Ambient VOC analyzer available nearby scrubber & Connected to TNPCB CARE AIR systems.	Complied with. given condition. Scrubber stack Monitoring report attached as Annexure-02 Also Ambient HCL analyzer installed nearby scrubber area
ii	The project proponent shall monitor fugitive emission in the plant premises at least one in every quarter through labs recognized under Environment (Protection) Act, 1986	Complied Fugitive emission Analysis get done by NABL accredited Lab & results are well within the limits	Annexure-2A. Copy of report attached.
iii	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of	Complied Existing Plant Ambient Air Quality are being monitored regularly by	TNPCB AAQ Analysis report & Photos attached as



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	120 each), covering upwind and downwind directions.	every month through recognized lab. Also, Existing AAQ parameters are being monitored through AAQ mobile van in all required locations. Data's are uplinked to TNPCB.	Annexure-03
iv	To control source and fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Complied Adequate stack height provided to FO/LDO fired boilers & Coal fired boilers are not available/proposed in our plant.	Complied with. given condition
v	Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Yes, Complied with given condition. All the existing raw materials are stored safely to prevent dust pollution & fugitive emissions	-
vi	National Emissions Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608€ dated 21 st July, 2010 and amended from time to time shall be followed.	Yes, Complied with given condition.	-
vii	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R.No.826(E) dated 16 th November, 2009 shall be complied with	Yes, Complied with given condition.	-



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(c) Water Quality Monitoring & Preservation			
i	The project proponent shall provide online continuous monitoring of effluent, the shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within in the premises (applicable in case of the project achieving ZLD)	Complied Existing plant adopted with ZLD system. CCTV and 12-Nos of flow meter are being connected from our ETP/STP Inlet to Secondary RO treated (Permeate) water discharge (For reuse) & its connectivity is being established to Water Quality Watch (WQW) along with pH, TSS, Conductivity (TDS), BOD & COD.	Complied with given condition
ii	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the project achieving the ZLD).	Complied Existing & current plant adopted with ZLD system	Complied with given condition
iii	The effluent discharge shall confirm to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified Pollution Control Board while granting Consent under the Air/Water Act, Whichever is more stringent.	Yes, Complied with given condition.	-
iv	Total fresh water requirement shall not exceed the propose quantity or as specified by the committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.	Complied We have obtained the permission from CMWSSB for fresh water supply. water consumption is within	Copy of Approval attached Annexure-04



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		the permitted limit.	
v	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.	Yes, Complied with given condition.	Already in line.
vi	The Company shall harvest rainwater from the roof tops of the building and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.	Complied Rain water harvesting system has been constructed at the plant to recharge the ground water.	Photo copy – Rain water Harvesting plan & Details attached as Annexure - 05
vii	The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.	Complied Existing DG stacks are equipped with adequate height & APC measures. Stack are done on monthly basis & results are within the specified limits	To reduce at least 70% PM in DG, retrofitted with approved emission control device/ equipment Annexure-5A
(D) Noise Monitoring & Preservation			
i	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied Acoustic enclosures are provided to our Existing DG set for controlling the noise.	Complied with given condition.
ii	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	Yes, Complied with given condition.	—



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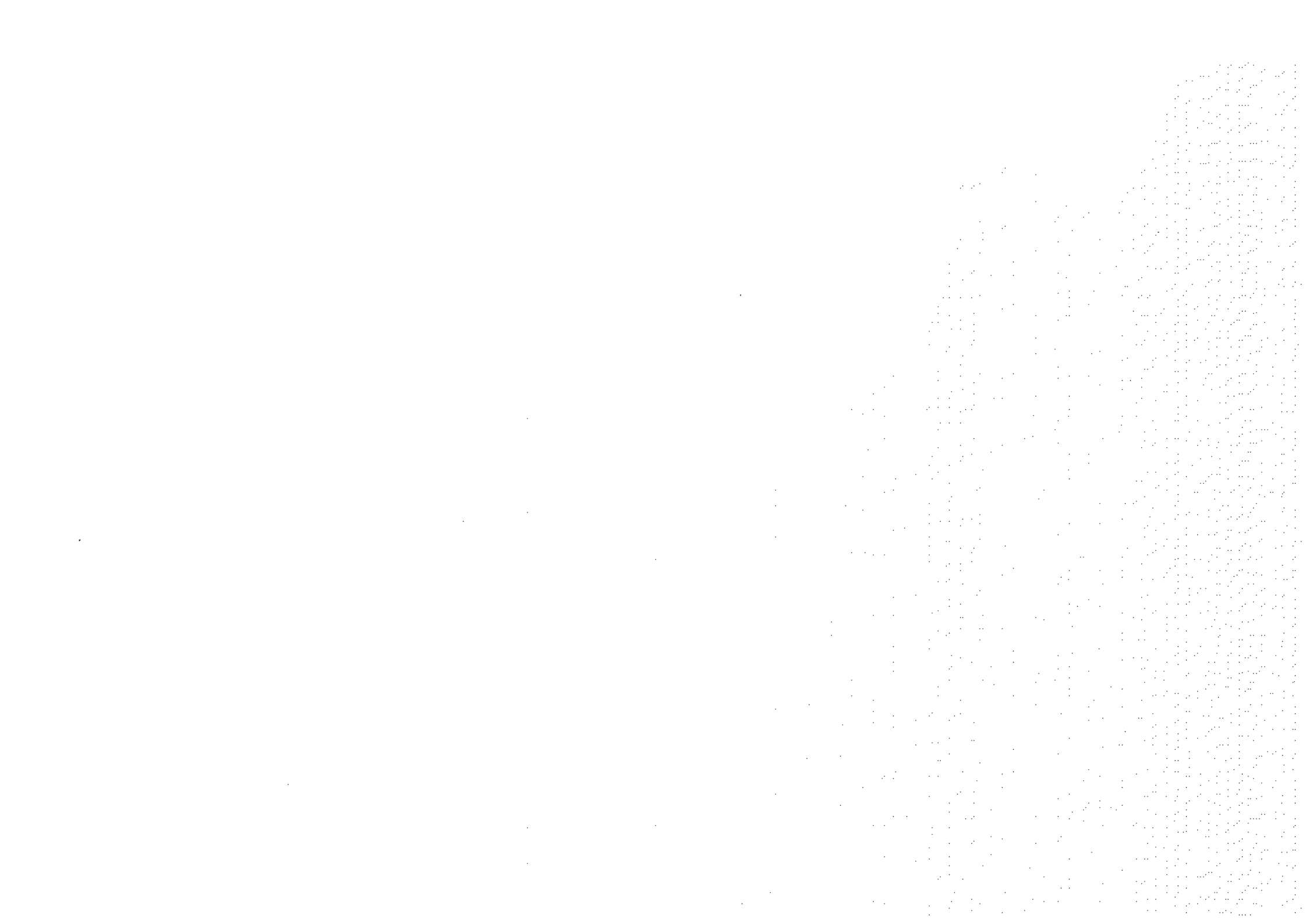
iii	The ambient noise level should be conform to the standards prescribed under the E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Yes, Complied with given condition.	-
(E) Safety, Public hearing & Human health issues			
i	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Yes, Complied with given condition.	Emergency preparedness plan available.
ii	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Complied Existing plant fire protection system in place. Same will be implemented on expansion. Complied with given condition	
iii	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Yes, Complied with given condition.	-
iv	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied Yearly training schedule prepared & training imparted to all employees. Medical examinations are done for every 6 months once	-
v	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. the housing may be in the form of temporary structures to be removed after the completion of the project.	Complied Toilet, drinking water & medical health care facility will be provided for construction labour	Lodging facility will be provided by contractor, outside the plant premises. Complied with



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		within the site	given condition
vi	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Yes, Complied with given condition.	-
vii	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.	Yes, Complied with given condition.	-
(F) Corporate Environment Responsibility			
i	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No.22-65/2017-IA.III dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility.	Yes, Complied with given condition.	CER Activity Execution under progress Annexure-06
ii	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/ conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/ conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six-monthly report.	Yes, Complied with given condition. EHS policy are made available.	Copy of EHS policy attached Annexure-07
iii	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly to the head of the organization.	Yes, Complied with given condition.	-
iv	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise	Yes, Complied with given condition	EMP Attached as





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	earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other 5 purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	EMP details given EIA report & action plans are being followed..	Annexure--08
v	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Complied Environmental audit has been conducted by 3 rd party & certified for Occupational Health and Safety & Environmental Management System, ISO 45001:2018 & ISO 14001:2015 by the DNV-GL certificate	IMS certificates Attached as Annexure-09.
(G) Waste Management			
i	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	Yes, Complied with given condition.	-
ii	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Yes, Complied with given condition.	-
iii	The company shall undertake waste minimization measures as below:-	Yes, Complied with given condition.	-
	a. Metering and control of quantities of active ingredients to minimize waste.		



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	b. Reuse of by-products from the process as raw materials or as raw materials substitutes in other processes.		
	c. Use of automated filling to minimize spillage.		
	d. Use of Close Feed system into batch reactors.		
	e. Venting equipment through vapor recovery system.		
	f. Use of high pressure hoses for equipment clearing to reduce wastewater generation		
<u>(H) SPECIFIC CONDITIONS</u>			
i	It is mandatory for the project proponent to furnish to the SEIAA, Half yearly compliance report in hard and soft copies on 1 st June and 1 st December of each calendar year in respect of the conditions stipulated in the prior Environmental clearance issued.	Yes, Complied with given condition.	
ii	"Consent for Establishment" shall be obtained from Tamil Nadu Pollution Control Board and a copy of the same shall be furnished to the SEIAA, Tamil Nadu before start of project construction activity at the site.	Complied CTE (Expansion) obtained from Tamil Nadu Pollution Control Board	-
iii	"Consent for Operate" shall be obtained from Tamil Nadu Pollution Control Board before the start of the operation of the project and a copy of the same shall be furnished to the SEIAA, Tamil Nadu	Complied CTO (Expansion) will be obtained after completion of Expansion activity	-
iv	The implementation of Environmental Management Plan in regard to treatment and disposal of sewage & Effluent, Solid waste Management, Hazardous - Waste Management, and CSR Activities should be carried out, as proposed and committed. Regular monitoring should be carried out during operation phases	Yes, Complied with given condition.	-



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v	The residue collected from the evaporator shall be documented by maintaining proper register and it should be made available at the time of inspection.	Yes, Complied with given condition.	-
vi	Adequate dust extraction system such as Ducting with dust extracting arrangement wherever required shall be established to achieve Occupational –health standards and ambient air quality standards	Yes, Complied with given condition.	-
vii	The proponent shall carryout best housekeeping practices as spillage management for handling and maintenance of raw materials and products inside the unit premises.	Yes, Complied with given condition.	-
viii	Nature of chemicals Handled, the Do and Don'ts shall be displayed at all vital locations as laid down in MSDS.	Yes, Complied with given condition.	-
ix	The proponent shall ensure that the quantity of Hazardous Waste handed over to the TSDF shall match with the quantity generated	Yes, Complied with given condition.	-
x	The proponent shall provide a separate closed area earmarked for storing solid waste including Hazardous Waste as proposed	Yes, Complied with given condition.	-
xi	The proponent shall dispose Hazardous Waste generated as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed off through TNPCB registered recyclers	Complied Existing Hazardous waste authorization valid up to 31.03.2027. Additional Hazardous waste authorization will be obtained along with CTO Expansion application.	-
xii	The Plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management & Handling) Rules 2016.	Yes, Complied with given condition	-



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xiii	The e - waste generated should be collected and disposed to a nearby authorized e-waste centre as per e waste (Management & Handling), Rules 2016 as amended	Yes, Complied with given condition.	-
xiv	The Municipal solid waste generated shall be collected, segregated and disposed as per Solid Waste Management Rules, 2016.	Yes, Complied with given condition	-
xv	The industry shall conduct air sampling at least once in six months for the general core parameters (PM ₁₀ , PM _{2.5} , SO _x , NO _x) through TNPCB/NABL Accredited Laboratory and maintain records of the same and it should be made available at the time of inspection.	Complied Monthly, we are conducting ambient air Quality monitoring in the plant through NABL approved laboratory.	Environmental Monitoring report by NABL Lab attached as Annexure-9A
xvi	Regular monitoring on the air quality, water quality and noise on the selected locations in and around the project site as mentioned in the EMP report for creating base line data shall be continued and records shall be maintained.	Yes, Complied with given condition	-
xvii	A separate environment and safety management cell with qualified staff shall be set up before establishment of the facility and shall be retained throughout the lifetime of the industry, for implementation of the stipulated environmental safeguards	Yes, Complied with given condition	-
xviii	The Green belt area already developed within the project area shall be properly maintained.	Yes, Complied with given condition	-
xix	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per CPCB guidelines in consultation with the state forest department.	Complied The green belt area developed & maintaining more than 33% of the total project area.	Greenbelt Details attached as Annexure- 9B



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xx	The industry shall promote tree plantation to neutralize their carbon foot print. The industry shall engage regularly in afforestation programme.	Yes, Complied with given condition.	-
xxi	The proponent shall ensure effective risk management strategy regarding confined space management to avoid risk while handling raw materials, products in the process area and storage	Complied Work permit system in place.	-
xxii	The energy sources for lighting purposes shall preferably be LED based.	Yes, Complied with given condition	-
xxiii	The industry shall conduct air sampling at least twice in a week (104 times in a year), as stipulated under EP Act 1986.	Complied Online air quality monitoring station available.	-
xxiv	Risk cum disaster management plan should be in placed in the industry premises at all time.	Yes, Complied with given condition.	-
xxv	Water conservation scheme including rain water harvesting measures to augment ground water resources shall be implemented so as to collect and reuse the entire rainwater harvested as a supplement to fresh water	Yes, Complied with given condition.	-
xxvi	The natural drainage pattern in the project area shall be maintained and storm water drain along the boundary and appropriate places shall be provided considering the Catchment area and maximum intensity of rainfall to collect runoff water/rain water for proper disposal to avoid flooding around the premises.	Yes, Complied with given condition	-
xxvii	The Environmental Clearance is issued without prejudice to any order that may be passed by the Hon'ble NGT/ Honb'le High Court of Madras.	Noted for compliance	-



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xxviii	All the assurances given in EIA and EMP shall be adhered to strictly	Yes, Complied with given condition.	-
xxix	Detail study shall be carried out by engaging accredited agencies / reputed institutions for Risk management and detailed Disaster management plan prepared for compliance.	Yes, Complied with given condition.	-
xxx	Sufficient funds should be provided for Audit management.	Yes, Complied with given condition.	-
xxxi	The Project Proponent shall provide disinfection by UV system for the sewage treatment plant for treating the sewage before applying on land for gardening	Complied UV system provided in STP treated water discharge point.	-
xxxii	The project proponent shall provide sufficient ventilation (air circulation) in the hazardous waste storage yard where the hazardous waste like spent carbon, Chemical sludge, used or spent oil are being kept	Yes, Complied with given condition.	-
xxxiii	The Project Proponent shall carry out safety audit in the different operating zones of the plant at least once in a year and the same shall be considered as base for reviewing the unsafe conditions during the plant safety meeting	Complied Safety audit conducted by 3 rd party DNV-GL & Comprehensive Safety Audit conducted by Chola Ms Risk Services Ltd as per International safety standards	ISO 45001:2018. Certificates Attached as Annexure-09.
xxxiv	The Project Proponent shall prepare a code of practice for safe operation for educating the safety standards to the work force deployed in the plant through appropriate training by the concerned experts	Yes, Complied with given condition.	-
xxxv	As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed	Yes, Complied with given condition.	-



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xxxvi	The Activity of the industry should not impact on agricultural, irrigation system and mangroves surrounding the area.	Noted for compliance	-
xxxvi i	The EMP cost of Rs.500 lakhs and operation and maintenance cost Rs. 1200 lakhs shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.	Separate SAP GL account maintained for EMP and same will be submitted to TNPCB & SEIAA.	-
xxxvi ii	There should be no threat to Bio diversity due to the operation of the industry.	Yes, Complied with given condition.	-
xxxix	The flora & fauna present in and around the project site should not get affected due to the activity as reported	Noted for compliance	-
xi	The Project Proponent has to provide rain water harvesting collection tank to the capacity of 80cu.m in order to recover and reuse the rain water during normal rains	Complied Rainwater Harvesting pond provided. Yes, Complied with given condition.	-
xli	The operation of the activity should not impact on the soil, micro flora & Fauna present in and around the project site	Noted for compliance	-
xlili	The project proponent shall carry out risk assessment process for all the operations involved in the plant and a suitable risk management plan showing the contours of sensitive zones should be prepared	Yes, Complied with given condition	-
xlili	The project proponent shall take up better housekeeping measures including scraps disposal and up keeping the machineries, pipes, etc.	Yes, Complied with given condition	-
xliv	The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits	Yes, Complied with given condition	-

(I) General Conditions



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i	This Environmental Clearance shall not be cited to relax any other rules applicable to this project.	Noted for compliance	-
ii	The Project Proponent should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the Environmental Clearance informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with TNPCCB	Complied Advertisement given in two local newspapers widely circulated in Tamil & English on 13.03.2019.	Newspaper photo copies Attached as Annexure-10
iii	A copy of the Environmental Clearance shall be sent by the project proponent to concerned local body and local NGO, if any from whom suggestions/representatives, if any were received while processing the proposal.	Noted for compliance	-
iv	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Yes, Complied with given condition AAQ Monitoring data- Display board installed in gate entry for disclosure to the public	
v	The Environmental Clearance shall also be put on the website of the company.	Complied EC copy uploaded in to the company website. Complied with given condition	-
vi	No expansion or modernization in the project shall be carried out without prior approval of the SEIAA-TN. In case of any deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the SEIAA-TN to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted for compliance	-



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vii	All the environmental protection measures and safeguards as recommended in the EIA report shall be complied	Noted for compliance	-.
viii	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned SPCB as prescribed under the environment(Protection) rules, 1986, as amended subsequently and put on the website of the company	Yes, Complied with given condition	Proof of Form-V submission attached as Annexure-11
ix	The implementation of the project vis-à-vis environmental action plans shall be monitored by the Regional office of MoEF& CC at Chennai, TNPCB and CPCB. A six monthly compliance status report shall be submitted to monitoring agencies regularly.	Yes, Complied with given condition	-.
x	Data on ambient air, stack and fugitive emissions shall be regularly submitted online to the Regional office of MoEF&CC,GOI, at Chennai, TNPCB and Central Pollution Control Board as well as hard copy once in six months and display data on RSPM, SO ₂ and NO _x outside the premises at the appropriate place for the general public.	Yes, Complied with given condition	-.
xi	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Yes, Complied with given condition	-.
xii	Proper house-keeping and cleanliness must be maintained within and outside the plant.	Yes, Complied with given condition	-.
xiii	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees, especially for those engaged in handling hazardous substances. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee should be maintained separately	Yes, Complied with given condition	-.
xiv	The overall noise levels in and around the plant area shall be kept well within the standards prescribed for by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75dBA (day time) and 70 dBA (night time).	Yes, Complied with given condition	-



NATCO PHARMA LIMITED
Chemical Division- Chennai

Compliance Statement for Environmental Clearance vide Letter No. SEIAA / TN/E.5869/5 (f)/EC-67/2019 dated: 20.02.2019 (Proposed Project)

xv	A separate Environmental Management Cell equipped with full fledged laboratory facilities to carry out the various Environmental Management and Monitoring functions shall be set up under the control of a Senior Executive.	Yes, complied with given condition	-
xvi	The requisite amount earmarked towards capital cost and recurring cost/annum for implementing pollution control measures shall be used judiciously to implement the Environment Management Plan as furnished in the EIA report. The funds so provided shall not be diverted for any other purposes	Yes, Complied with given condition	-
xvii	The project proponent shall upload the status of compliance of the stipulated environmental clearance 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 the MOEF&CC,GOI at Chennai, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain	Yes, Complied with given condition	AAQ data- Display board installed at main gate photo copy attached as Annexure-12
xviii	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail	Yes, Complied with given condition	-
xix	Environmental Clearance is being issued without prejudice to the action initiated under Environment (Protection) Act, 1986 or any court case pending or any other court order shall prevail.	Noted for compliance	-
xx	The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection	Noted for compliance	-



NATCO PHARMA LIMITED
Chemical Division- Chennai

Compliance Statement for Environmental Clearance vide Letter No. SEIAA / TN/F.5869/5 (I)/EC-67/2019 dated: 20.02.2019 (Proposed Project)

xxi	The SEIAA/SEAC or any Competent Authority may suitably add any further condition(s) on receiving reports from the project authority. The above condition shall be monitored by the Regional Office of MoEF located at Chennai.	Noted for compliance	-.
xxii	The SEIAA, TN may revoke or suspend the Environmental clearance, if implementation of any of the above conditions is not satisfactory	Noted for compliance	-.
xxiii	The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance	Noted for compliance	-.
xxiv	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	Noted for compliance	-.
xxv	The SEIAA-TN reserves the right to stipulate additional conditions if found necessary. The industry in a time bound manner shall implement these conditions.	Noted for compliance	-.
xxvi	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter.	Noted for compliance	-.



NATCO PHARMA LIMITED
Chemical Division- Chennai

Compliance Statement for Environmental Clearance vide Letter No. SEIAA / TN/F.5869/5 (I)/EC-67/2019 dated: 20.02.2019 (Proposed Project)

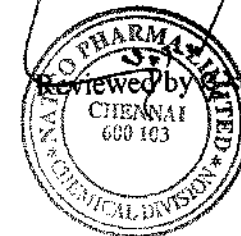
xxvii	Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted for compliance	
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Prepared by

Di
22.10.2022

Checked by

Sund
22.10.2022



List of Annexures

Annexure-01	-	CTE Copy- Air & Water
Annexure-02	-	Scrubber Stack Monitoring report
Annexure-2A	-	Fugitive Emission Monitoring report
Annexure-03	-	AAQ Monitoring Reports-by TNPCB
Annexure-04	-	Fresh water supply approval copy – CMWSSB
Annexure-05	-	Rain Water Harvesting Plan & Photos
Annexure-5A	-	DG retrofit device photo & analysis report
Annexure-06	-	CER Details & Photos
Annexure-07	-	EHS Policy
Annexure-08	-	Environmental Management Plan
Annexure-09	-	IMS certificates (ISO 45001:2018 & ISO 14001:2015)
Annexure-9A	-	Environmental Monitoring Report by NABL Lab
Annexure-9B	-	Greenbelt Details
Annexure-10	-	News Paper advertisement copies
Annexure-11	-	Submission of Form-v acknowledgement copy
Annexure-12	-	Display Board
Annexure-A	-	EC amendment copy 20.07.2020
Annexure-B	-	EC amendment communication & Acknowledgment



TAMIL NADU POLLUTION CONTROL BOARD

CONSENT ORDER NO. 1906221762381 DATED: 02/07/2019.

PROCEEDINGS NO.T5/TNPCB/F.0846AMB/RL/AMB/A/2019 DATED: 02/07/2019

SUB: TNPC Board-Consent for Establishment FOR EXPANSION- I NATCO PHARMA LIMITED , S.F. No. 74/7B, MANALI Village, Thiruvottiyur Taluk, Tiruvallur District- for the establishment or take steps to establish the industry for Expansion under Section 21 of the Air(Prevention and control of Pollution)Act,1981, as amended in 1987 (Central Act, 14 of 1981)-Issued- Reg.

REF: 1. Procds No.T5/TNPCB/F.0846AMB/RL/AMB/W&A/2018 dated 28/05/2018
2. Unit's Application No.21762381 dated: 13.03.2019
3. IR.No : F.0846AMB/RL/JCEE/AMB/2019 dated 10/04/2019
4. TSC minutes vide item.No.173-16 dated 19.06.2019

Consent to establish or take steps to establish for Expansion is hereby granted under Section 21 of the Air (Prevention and control of Pollution) Act,1981, as amended in 1987 and the Rules and Orders made there under to

Director & Executive Vice President ,
M/s . NATCO PHARMA LIMITED

Authorizing occupier to establish or take steps to establish the industry in the site mentioned below:

S.F No.74/7B,
MANALI Village,
Thiruvottiyur Taluk,
Tiruvallur District.

This Consent to establish for Expansion is valid upto **March 31, 2024** , or till the industry obtains consent to operate under Section 21 of the Air (Prevention and control of Pollution) Act, 1981, as amended in 1987 whichever is earlier subject to special and general conditions enclosed.

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

To
Director & Executive Vice President ,
M/s.NATCO PHARMA LIMITED,
Chemical Division Chennai,No.74/7B, Vaikkadu, TPP Salai, Manali, Chennai,
Pin: 600103

Copy to:

- 1.The Commissioner, CHENNAI CORPORATION-Corporation, Thiruvottiyur Taluk, Tiruvallur District .
 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, AMBATTUR.
 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.
 4. File
-

SPECIAL CONDITIONS

- 1. This consent to establish for Expansion is valid for establishing the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Bendamustine HCl	0.30	TPA
2.	Bortezomib	0.01	TPA
3.	Decetabine	0.12	TPA
4.	Everolimus	0.03	TPA
5.	Temsilrolimus	0.01	TPA
6.	Trabectedine	0.01	TPA
7.	Busulfan	0.05	TPA
8.	Lenalidomide	0.36	TPA
9.	Nelarabine	0.01	TPA
10.	Thiotepa	0.01	TPA
11.	Azacitidine	0.30	TPA
12.	Chlorambucil	0.01	TPA
13.	Doxorubicin Hydrochloride	0.05	TPA
14.	Epothiline B	0.05	TPA
15.	Fulvestrant	0.05	TPA
16.	Pomolidomide	0.30	TPA
17.	Sirolimus	0.12	TPA
18.	Carmustine	0.05	TPA
19.	Melphalan	0.01	TPA
20.	Cabozantinib-S-Malate	1.02	TPA
21.	Dasatinib Monohydrate	1.20	TPA
22.	Erlotinib Hydrochloride	4.20	TPA
23.	Geftinib	4.20	TPA
24.	Imatinib Mesylate	8.40	TPA
25.	Lapatinib Ditosylate Monohydrate	2.04	TPA
26.	Nilotinib Hydrochloride	1.80	TPA
27.	Palbociclib	1.80	TPA
28.	Pazopanib Hydrochloride	1.80	TPA
29.	Sorafenib Tosylate	4.80	TPA
30.	Sunitinib Malate	1.80	TPA
31.	Dabigatran Etxilate	4.50	TPA
32.	Deferasirox	1.02	TPA
33.	Lansoprazole	4.50	TPA
34.	Lanthanum Carbonate Dihydrate	6.0	TPA
35.	Ledipasvir	3.00	TPA
36.	Ondansetron Hydrochloride Dihydrate	3.60	TPA
37.	Pirfenidone	2.04	TPA
38.	Rizatriptan Benzoate	1.02	TPA
39.	Sacubitril	5.04	TPA
40.	Sertaline Hydrochloride	6.0	TPA
41.	Sumatriptan Succinate	3.00	TPA
42.	Ticagrelor	3.00	TPA

2.
- This consent to establish for Expansion is valid for establishing the facility with the below mentioned emission/noise sources along with the control measures and/or stack .Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent has to be obtained if necessary.

I	Point source emission with stack :			
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm3/hr
1	Boiler 6 TPH (proposed)/3 TPH (Existing- Standby)	Common stack	40	13238
2	Incinerator - 100 Kg/hr	Wet scrubber with stack	40	8138
3	Diesel Generator Set - 1010 KVA	Stack	11	5702
4	Diesel Generator Set - 1010 KVA	Stack	11	5702
5	Diesel Generator Set - 1010 KVA	Stack	11	5702
6	Diesel Generator Set - 100 KVA	Stack	7	565
II	Fugitive/Noise emission :			
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	DG area & Air Compressor area	Noise	Acoustic Panels	
2.	Process emission	Fugitive	Proposed 4 no of wet scrubbers with existing 8 no	

3 Additional Conditions:

1. The unit shall comply with the conditions imposed in EC No. SEIAA TN/F.No.5869/5 (f)/EC-67/2019 Dated: 20.02.2019.
2. The unit shall periodically carry out Leak detection and Repair (LDAR) study and furnish report to the Board after obtaining CTO- Expansion.
3. The unit shall provide necessary the Air Pollution Control measures for the process emissions and DG sets so as to satisfy the Ambient Air Quality/Emission standards prescribed by the Board.
4. The unit shall adhere to the Ambient Air Quality/Stack Emission/Ambient Noise Level standards prescribed by the Board.
5. The unit shall provide online sensor for SPM, NOx, SO2 to the boiler of 6 T/hr and connect the same to the Care Air Centre, Tamil Nadu Pollution Control Board, Chennai.
6. The unit shall provide Leak detection and Repair (LDAR) sensor in the process activities so as to control the leakage/spillage in the manufacturing activities.
7. The unit shall install adequate Continuous Ambient Air Quality Monitoring Station (PM2.5, PM10, SO2, NOx, Hydro Carbons, Chlorine) at the predominant wind direction of both upwind and downwind direction and shall connect the same to CARE Air Centre, TNPC Board, Chennai.
8. The unit shall provide adequate solvent recovery system to ensure maximum recovery of solvents there by to avoid VOC emissions to Ambient Air.
9. The unit shall provide adequate TVOC, HCL monitoring system to monitor VOC level in Ambient Air in the premises with computer arrangement system.
10. The unit shall make arrangements to connect VOC emission data to CAC, TNPCB.

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

GENERAL CONDITIONS

1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
8. The unit shall develop green belt of adequate width around the premises.
9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

** This consent order is computer generated by OCMMS of TNPCB and no signature is needed**



TAMIL NADU POLLUTION CONTROL BOARD

CONSENT ORDER NO. 1906121762381 DATED: 02/07/2019.

PROCEEDINGS NO.T5/TNPCB/F.0846AMB/RL/AMB/W/2019 DATED: 02/07/2019

SUB: TNPC Board-Consent for Establishment FOR EXPANSION- I NATCO PHARMA LIMITED , S.F. No. 74/7B, MANALI Village, Thiruvottiyur Taluk, Tiruvallur District- for the establishment or take steps to establish the industry for Expansion under Section 25 of the Water(Prevention and control of Pollution)Act,1974 , as amended in 1988 (Central Act 6 of 1974) –Issued- Reg.

REF: 1. Procds No.T5/TNPCB/F.0846AMB/RL/AMB/W&A/2018 dated 28/05/2018
2. Unit's Application No.21762381 dated: 13.03.2019
3. IR.No : F.0846AMB/RL/JCEE/AMB/2019 dated 10/04/2019
4. TSC minutes vide item.No.173-16 dated 19.06.2019

Consent to establish or take steps to establish for Expansion is hereby granted under Section 25 of the Water (Prevention and control of Pollution) Act,1974, as amended in 1988(Central Act 53 of 1988) (hereinafter referred to as 'The Act') and the Rules and Orders made there under to

Director & Executive Vice President ,
M/s. NATCO PHARMA LIMITED

Authorizing occupier to establish or take steps to establish the industry in the site mentioned below:

S.F. No.74/7B,
MANALI Village,
Thiruvottiyur Taluk,
Tiruvallur District.

This Consent to establish for Expansion is valid upto **March 31, 2024**, or till the industry obtains consent to operate under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 whichever is earlier subject to special and general conditions enclosed.

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

To
Director & Executive Vice President ,
M/s.NATCO PHARMA LIMITED,
Chemical Division Chennai,No.74/7B, Vaikkadu, TPP Salai, Manali, Chennai,
Pin: 600103

Copy to:

- 1.The Commissioner, CHENNAI CORPORATION-Corporation, Thiruvottiyur Taluk, Tiruvallur District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, AMBATTUR.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.
4. File

SPECIAL CONDITIONS

1. This consent to establish for Expansion is valid for establishing the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Bendamustine HCl	0.30	TPA
2.	Bortezomib	0.01	TPA
3.	Decetabine	0.12	TPA
4.	Everolimus	0.03	TPA
5.	Temsirolimus	0.01	TPA
6.	Trabectedine	0.01	TPA
7.	Busulfan	0.05	TPA
8.	Lenalidomide	0.36	TPA
9.	Nelarabine	0.01	TPA
10.	Thiotepa	0.01	TPA
11.	Azacitidine	0.30	TPA
12.	Chlorambucil	0.01	TPA
13.	Doxorubicin Hydrochloride	0.05	TPA
14.	Epothiline B	0.05	TPA
15.	Fulvestrant	0.05	TPA
16.	Pomolidomide	0.30	TPA
17.	Sirolimus	0.12	TPA
18.	Carmustine	0.05	TPA
19.	Melphalan	0.01	TPA
20.	Cabozantinib-S-Malate	1.02	TPA
21.	Dasatinib Monohydrate	1.20	TPA
22.	Erlotinib Hydrochloride	4.20	TPA
23.	Geftinib	4.20	TPA
24.	Imatinib Mesylate	8.40	TPA
25.	Lapatinib Ditosylate Monohydrate	2.04	TPA
26.	Nilotinib Hydrochloride	1.80	TPA
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29.	Sorafenib Tosylate	4.80	TPA
30.	Sunitinib Malate	1.80	TPA
31.	Dabigatran Etxilate	4.50	TPA
32.	Deferasirox	1.02	TPA
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34.	Lanthanum Carbonate Dihydrate	6.0	TPA
35.	Ledipasvir	3.00	TPA
36.	Ondansetron Hydochloride Dihydrate	3.60	TPA
37.	Pirfenidone	2.04	TPA
38.	Rizatriptan Benzoate	1.02	TPA
39.	Sacubitril	5.04	TPA
40.	Sertaline Hydrochloride	6.0	TPA
41.	Sumatriptan Succinate	3.00	TPA
42.	Ticagrelor	3.00	TPA

2. The unit shall provide Sewage Treatment Plant and /or Effluent Treatment Plant as indicated below.

a	Sewage Treatment Plant:		
Treatment status: Individual STP			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Bar Screen Chamber	1	0.6m X 1.3m
2.	Aeration Tank-1	1	1.7m X 1.2m X 3.0m
3.	Sewage Collection Sump	1	2.4m X 2.4m X 2.2m
4.	Secondary Settling Tank	1	1.8m X 1.2m X 2.9m
5.	Clarified Water Tank	1	0.5m X 1.2m X 2.8m
6.	Pressure Sand Filter	1	0.35m (Dia)X 1.65 m
7.	Activated Carbon Filter	1	0.33m (Dia.) X 1.37m
8.	UV System	1	75mm (Dia) X 900mm L
9.	Treated Water Tank	1	1.5m X 1.5m X 3.0m
10.	Sludge Drying Beds	2	1.0m X 1.0m X 1.0m
b	Effluent Treatment Plant:		
Treatment status: Individual ETP			

SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Oil & grease trap	1	1.8M X 1.8M X 2.5M
2.	Clariflocculator	1	4.50M X 3.35M
3.	Aeration tank - I	1	20 M X 12 M X 5 M
4.	Primary clarifier	1	4.5 M X 3.35 M
5.	Aeration tank - II	1	12 M X 12 M X 3.70 M
6.	Secondary clarifier	1	4.5 M X 3.35 M
7.	Flash Mixer	1	1.2 M X 1.8 M
8.	Decanter feed tank	1	1.8 M X 2 M
9.	ATFD Feed Tank	1	2 M X 1.92 M
10.	Multi Effect Evaporation Plant	1	3090 Kg/hr
11.	Agitated Thin Film Drier	1	600 kg/hr
12.	Decanter Centrifuge	1	3000 kg/hr
13.	Incinerator	1	100 kg/hr
14.	Equalization cum neutralization tank	1	10M X 3M X 10M
15.	Flocculent Dosing tank	1	1.2 m(Dia.)X 0.9 m H
16.	Coagulant Dosing tank	1	1.2 m(Dia.)X 0.9 m H
17.	Utility Effluent collection tank	1	50 KL(5m X 2m X 5m)
18.	Primary RO FEED Tank	1	10m X 3m X 10m
19.	Secondary RO FEED Tank	1	10M X 3M X 10M
20.	Primary RO Plant	1	250 KLD
21.	Secondary RO Plant	1	250 KLD
22.	Permeate Storage Tank	1	100 KL
23.	HPRO Feed Tank	1	100 KL
24.	MEE Feed Tank	1	100 KL
25.	High TDS collection Tank	2	25 KL
26.	Lamella Clarifier	1	1.5 KL/hr (36 KLD)
27.	High TDS Stripper feed tank	1	10 KL
28.	Stripper	1	30 KLD
29.	Stripper solvents collection tank	1	2 KL
30.	Static Mixer	1	6KL/hr (120 KLD)
31.	Feed Tank	1	20 KL
32.	ECOT system	1	6KL/hr (120 KLD)
33.	Paddle dryer	1	200 kg/hr
34.	HPRO Plant	1	50 KLD
35.	Flash Mixer	1	3 KL
36.	Lamella Clarifier	1	3.5 KL/hr (70KLD)

3. This consent to establish for Expansion is valid for establishing the facility with the below mentioned outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	Treated water from STP	20.0	On land for gardening
Effluent Type : Trade Effluent			
1.	Treated water from ETP Outlet	162.0	Cooling Tower make up

4. **Additional Conditions:**

1. The unit shall comply with the conditions imposed in EC No. SEIAATN/F.No.5869/5 (f)/EC-67/2019 Dated: 20.02.2019.

2. The unit shall comply with the directions issued under section 18 (1) b by the CPCB letter No. B-29016/04/06PCI-1/5401 dated 05.02.2014 and subsequent directions of TNPCB to the Pharmaceutical companies (17 Category units) for online monitoring of effluent parameters.

3. The unit shall not use the Methylene Di-Chloride (MDC) & Chloroform and replace with the alternative solvents for the existing and the proposed products and thus will not use MDC & chloroform in the existing and proposed products.

4. The unit shall provide online continuous monitoring of effluent, the unit shall provide surveillance camera with CCTV (with night vision capability) in and around the ZLDs plant area and connect the same to CAC, TNPCBd, Chennai.

5. The unit shall ensure that the process effluent/any wastewater shall not be allowed to mix with storm water drains.

6. The unit shall periodically carry out Leak detection and Repair (LDAR) study and furnish report to the Board after obtaining CTO- Expansion.

7. The unit shall provide closed loop system for the transfer of raw materials, unloading of products from reactors and other activities involved in the process area.

8. The unit shall connect the vents of solvent storage tanks to vent condensers of adequate capacity.

9. The unit shall reuse the mother liquor generated from centrifuge and various stages of manufacturing process in the process.

10. The unit shall provide Zero Liquid Discharge System for the generation and treatment of process Effluent from the unit as mention in the Environmental Clearance so as the archives the standards prescribed by the Board.

11. The unit shall provide Sewage Treatment Plant of 30 KLD capacity as proposed for the treatment of sewage and shall provide sewage treatment plant separately so as to achieve standards prescribed by the Board and the treated sewage shall be utilised for green belt development/gardening purposes.

12. The unit shall provide EMFM with display monitors showing instantaneous and cumulative flow along with computer recording arrangements for the following locations. a. Inlet of ETP – Flow Meter b. Out if ETP – Flow Meter c. inlet of cooling towers d. inlet of boilers-Flow meters e. Inlet of MEE – Flow Meters f. Inlet of Raw Water from CMWSSB – Flow Meter g. Inlet of Solvent Recovery system – Flow Meter h. Outlet of Solvent Recovery System – Flow Meter.

13. The unit shall provide effluent collection tanks in the process area to collect the trade effluent generated and conveyed to the ETP in closed pipeline.

14. The unit shall operate and maintain the online pH and TDS meter in the storm water drains to ensure no chemical contamination takes place during rains outside the premises at all the time.

15. The unit shall keep the cooling water under closed circuit system.

16. The unit shall connect the following online sensors to the CARE AIR CENTRE of TNPCB, Chennai. a. Inlet of ETP – Flow Meter b. Out if ETP – Flow Meter and pH c. Treated effluent reusing into cooling towers – Flow Meter d. Inlet of MEE – Flow Meters.

17. The unit shall apply for Hazardous Waste Authorization under Hazardous Waste (Management, Handling and Transboundry Movement) Rules, 2016 for the hazardous waste mentioned in the application while obtaining Consent to Operate Expansion.

18. The unit shall explore the possibility of disposal of hazardous waste to the cement industries without any accumulation.

19. The unit shall make agreement with the M/s.Tamil Nadu Waste Management Ltd., Gummidipoondi for the disposal of additional hazardous waste streams generated from the expansion facility of the unit.

20. The unit shall adopt the waste minimization technologies as envisaged in the Environmental Clearance obtained from the SEIAA, Tamilnadu.

21. The unit shall adopt process optimization techniques in the various stage of process for the balancing of input and output quantities of raw materials, products and use efficient cooling system during reaction and optimize recovery of residual materials, to reduce pollution load into the effluent and emission into atmosphere.

22. The unit shall develop and maintain the green belt covering more than 33% of the total area of the unit both inside/outside the premises of the unit.
23. The unit shall provide rain water harvesting facility for all the proposed buildings so as to recharge the ground water.
24. The unit shall furnish the details of activities done through 'Corporate Social Responsibility' along with the amount spent every year.
25. The unit shall not invite any complaint from nearby public at any point of time.

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

GENERAL CONDITIONS

1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
8. The unit shall develop green belt of adequate width around the premises.
9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

**** This consent order is computer generated by OCMMS of TNPCB and no signature is needed****



GREEN CHEM SOLUTIONS PVT LTD

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Annexure - 02

Laboratory Division


No. 883, 11th Street, Syndicate Bank Colony, Anna Nagar West Extension, Chennai - 600 101.

E-Mail : info@greenchemsolutions.in
greenchemsolutions@gmail.com
lab@greenchemsolutions.in

Tel : +91-44-42612103

Website: www.greenchemsolutions.in

Test Report

Report No.	GCS/S/VOC/ 3978 A /2021-2022	Report Date	03.01.2022	
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 01 (SB 301)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
1	Dichloromethane	ppm	Not Detected	EPA – 18
2	Chloroform	ppm	Not Detected	EPA – 18
3	Acetone	ppm	Not Detected	EPA – 18
4	Methanol	ppm	1.17	EPA – 18
5	Ethanol	ppm	Not Detected	EPA – 18
6	Isopropyl Alcohol	ppm	1.72	EPA – 18
7	1,4 – Dioxane	ppm	Not Detected	EPA – 23
8	Acetonitrile	ppm	0.78	EPA – 18
9	Isopropyl ether	ppm	Not Detected	EPA – 18
10	n-Butanol	ppm	Not Detected	EPA – 18
11	Ethyl acetate	ppm	0.93	EPA – 18
12	n-Heptane	ppm	Not Detected	EPA – 18
13	Tetrahydrofuran	ppm	Not Detected	EPA – 23
For Green Chem Solutions Private Limited (Laboratory Division)  Authorized Signatory				

Page 1 of 2

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greenchemsolutions@gmail.com
lab@greenchemsolutions.in

Test Report

Report No.	GCS/S/VOC/ 3978 A /2021-2022	Report Date	03.01.2022	
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 01 (SB 301)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
14	Dimethyl sulfoxide	ppm	Not Detected	EPA – 18
15	Hexane	ppm	1.39	EPA – 18
16	Toluene	ppm	1.86	EPA – 18
17	Diethyl ether	ppm	Not Detected	EPA – 18
18	Methyl Ethyl Ketone	ppm	1.24	EPA – 18
19	N,N - Dimethylacetamide	ppm	Not Detected	EPA – 18
20	n-Pentane	ppm	Not Detected	EPA – 18
21	Dimethyl Formamide	ppm	0.61	EPA – 18
22	Cyclohexane	ppm	Not Detected	EPA – 18
23	Methyl tertiary butyl ether	ppm	Not Detected	EPA – 18
For Green Chem Solutions Private Limited (Laboratory Division)  Authorized Signatory				

*** End of Report ***

Page 2 of 2

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Website: www.greenchemsolutions.in

Test Report

Report No.	GCS/S/VOC/ 3978 B /2021-2022	Report Date	03.01.2022	
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 01 (SB 311)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
1	Dichloromethane	ppm	Not Detected	EPA – 18
2	Chloroform	ppm	Not Detected	EPA – 18
3	Acetone	ppm	Not Detected	EPA – 18
4	Methanol	ppm	1.42	EPA – 18
5	Ethanol	ppm	Not Detected	EPA – 18
6	Isopropyl Alcohol	ppm	1.36	EPA – 18
7	1,4 – Dioxane	ppm	Not Detected	EPA – 23
8	Acetonitrile	ppm	0.85	EPA – 18
9	Isopropyl ether	ppm	Not Detected	EPA – 18
10	n-Butanol	ppm	Not Detected	EPA – 18
11	Ethyl acetate	ppm	1.69	EPA – 18
12	n-Heptane	ppm	Not Detected	EPA – 18
13	Tetrahydrofuran	ppm	Not Detected	EPA – 23
For Green Chem Solutions Private Limited (Laboratory Division)  Authorized Signatory				

Page 1 of 2

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Test Report

Report No.	GCS/S/VOC/ 3978 B /2021-2022		Report Date	03.01.2022
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 01 (SB 311)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
14	Dimethyl sulfoxide	ppm	Not Detected	EPA – 18
15	Hexane	ppm	1.41	EPA – 18
16	Toluene	ppm	1.75	EPA – 18
17	Diethyl ether	ppm	Not Detected	EPA – 18
18	Methyl Ethyl Ketone	ppm	0.98	EPA – 18
19	N,N - Dimethylacetamide	ppm	Not Detected	EPA – 18
20	n-Pentane	ppm	Not Detected	EPA – 18
21	Dimethyl Formamide	ppm	0.86	EPA – 18
22	Cyclohexane	ppm	Not Detected	EPA – 18
23	Methyl tertiary butyl ether	ppm	Not Detected	EPA – 18
For Green Chem Solutions Private Limited (Laboratory Division)				
				Authorized Signatory

*** End of Report ***

Page 2 of 2

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Test Report

Report No.	GCS/S/VOC/ 3978 C /2021-2022	Report Date	03.01.2022	
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 01 (SB 312)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
1	Dichloromethane	ppm	Not Detected	EPA – 18
2	Chloroform	ppm	Not Detected	EPA – 18
3	Acetone	ppm	Not Detected	EPA – 18
4	Methanol	ppm	1.47	EPA – 18
5	Ethanol	ppm	Not Detected	EPA – 18
6	Isopropyl Alcohol	ppm	1.32	EPA – 18
7	1,4 – Dioxane	ppm	Not Detected	EPA – 23
8	Acetonitrile	ppm	0.75	EPA – 18
9	Isopropyl ether	ppm	Not Detected	EPA – 18
10	n-Butanol	ppm	Not Detected	EPA – 18
11	Ethyl acetate	ppm	0.94	EPA – 18
12	n-Heptane	ppm	Not Detected	EPA – 18
13	Tetrahydrofuran	ppm	Not Detected	EPA – 23
For Green Chem Solutions Private Limited (Laboratory Division)  Authorized Signatory				

Page 1 of 2

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Test Report

Report No.	GCS/S/VOC/ 3978 C /2021-2022		Report Date	03.01.2022
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 01 (SB 312)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
14	Dimethyl sulfoxide	ppm	Not Detected	EPA – 18
15	Hexane	ppm	1.32	EPA – 18
16	Toluene	ppm	1.83	EPA – 18
17	Diethyl ether	ppm	Not Detected	EPA – 18
18	Methyl Ethyl Ketone	ppm	0.99	EPA – 18
19	N,N - Dimethylacetamide	ppm	Not Detected	EPA – 18
20	n-Pentane	ppm	Not Detected	EPA – 18
21	Dimethyl Formamide	ppm	0.75	EPA – 18
22	Cyclohexane	ppm	Not Detected	EPA – 18
23	Methyl tertiary butyl ether	ppm	Not Detected	EPA – 18
For Green Chem Solutions Private Limited (Laboratory Division)  Authorized Signatory				

*** End of Report ***

Page 2 of 2

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Test Report

Report No.	GCS/S/VOC/ 3978 D /2021-2022	Report Date	03.01.2022	
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 01 (SB 313)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
1	Dichloromethane	ppm	Not Detected	EPA – 18
2	Chloroform	ppm	Not Detected	EPA – 18
3	Acetone	ppm	Not Detected	EPA – 18
4	Methanol	ppm	1.55	EPA – 18
5	Ethanol	ppm	Not Detected	EPA – 18
6	Isopropyl Alcohol	ppm	1.71	EPA – 18
7	1,4 – Dioxane	ppm	Not Detected	EPA – 23
8	Acetonitrile	ppm	0.73	EPA – 18
9	Isopropyl ether	ppm	Not Detected	EPA – 18
10	n-Butanol	ppm	Not Detected	EPA – 18
11	Ethyl acetate	ppm	0.82	EPA – 18
12	n-Heptane	ppm	Not Detected	EPA – 18
13	Tetrahydrofuran	ppm	Not Detected	EPA – 23
For Green Chem Solutions Private Limited (Laboratory Division)  Authorized Signatory				



GREEN CHEM SOLUTIONS PVT LTD

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Laboratory Division

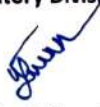
No. 883, 11th Street, Syndicate Bank Colony, Anna Nagar West Extension, Chennai - 600 101.

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Test Report

Report No.	GCS/S/VOC/ 3978 D /2021-2022	Report Date	03.01.2022	
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 01 (SB 313)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
14	Dimethyl sulfoxide	ppm	Not Detected	EPA – 18
15	Hexane	ppm	1.26	EPA – 18
16	Toluene	ppm	1.58	EPA – 18
17	Diethyl ether	ppm	Not Detected	EPA – 18
18	Methyl Ethyl Ketone	ppm	1.23	EPA – 18
19	N,N - Dimethylacetamide	ppm	Not Detected	EPA – 18
20	n-Pentane	ppm	Not Detected	EPA – 18
21	Dimethyl Formamide	ppm	0.61	EPA – 18
22	Cyclohexane	ppm	Not Detected	EPA – 18
23	Methyl tertiary butyl ether	ppm	Not Detected	EPA – 18
For Green Chem Solutions Private Limited (Laboratory Division)  Authorized Signatory				

*** End of Report ***

Page 2 of 2



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Test Report

Report No.	GCS/S/VOC/ 3978 E /2021-2022		Report Date	03.01.2022
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 02 (SCR 304)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
1	Dichloromethane	ppm	Not Detected	EPA – 18
2	Chloroform	ppm	Not Detected	EPA – 18
3	Acetone	ppm	Not Detected	EPA – 18
4	Methanol	ppm	1.37	EPA – 18
5	Ethanol	ppm	Not Detected	EPA – 18
6	Isopropyl Alcohol	ppm	1.50	EPA – 18
7	1,4 – Dioxane	ppm	Not Detected	EPA – 23
8	Acetonitrile	ppm	0.76	EPA – 18
9	Isopropyl ether	ppm	Not Detected	EPA – 18
10	n-Butanol	ppm	Not Detected	EPA – 18
11	Ethyl acetate	ppm	1.64	EPA – 18
12	n-Heptane	ppm	Not Detected	EPA – 18
13	Tetrahydrofuran	ppm	Not Detected	EPA – 23
For Green Chem Solutions Private Limited (Laboratory Division)				
				Authorized Signatory

Page 1 of 2

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Test Report

Report No.	GCS/S/VOC/ 3978 E /2021-2022		Report Date	03.01.2022
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 02 (SCR 304)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
14	Dimethyl sulfoxide	ppm	Not Detected	EPA – 18
15	Hexane	ppm	1.20	EPA – 18
16	Toluene	ppm	1.43	EPA – 18
17	Diethyl ether	ppm	Not Detected	EPA – 18
18	Methyl Ethyl Ketone	ppm	0.97	EPA – 18
19	N,N - Dimethylacetamide	ppm	Not Detected	EPA – 18
20	n-Pentane	ppm	Not Detected	EPA – 18
21	Dimethyl Formamide	ppm	0.78	EPA – 18
22	Cyclohexane	ppm	Not Detected	EPA – 18
23	Methyl tertiary butyl ether	ppm	Not Detected	EPA – 18
For Green Chem Solutions Private Limited (Laboratory Division)				
				Authorized Signatory

*** End of Report ***

Page 2 of 2

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Test Report

Report No.	GCS/S/VOC/ 3978 F /2021-2022		Report Date	03.01.2022
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 02 (SCR 305)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
1	Dichloromethane	ppm	Not Detected	EPA – 18
2	Chloroform	ppm	Not Detected	EPA – 18
3	Acetone	ppm	Not Detected	EPA – 18
4	Methanol	ppm	1.31	EPA – 18
5	Ethanol	ppm	Not Detected	EPA – 18
6	Isopropyl Alcohol	ppm	1.40	EPA – 18
7	1,4 – Dioxane	ppm	Not Detected	EPA – 23
8	Acetonitrile	ppm	0.58	EPA – 18
9	Isopropyl ether	ppm	Not Detected	EPA – 18
10	n-Butanol	ppm	Not Detected	EPA – 18
11	Ethyl acetate	ppm	0.85	EPA – 18
12	n-Heptane	ppm	Not Detected	EPA – 18
13	Tetrahydrofuran	ppm	Not Detected	EPA – 23
For Green Chem Solutions Private Limited (Laboratory Division)				
				Authorized Signatory

Page 1 of 2

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Test Report

Report No.	GCS/S/VOC/ 3978 F /2021-2022		Report Date	03.01.2022
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 02 (SCR 305)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
14	Dimethyl sulfoxide	ppm	Not Detected	EPA – 18
15	Hexane	ppm	1.17	EPA – 18
16	Toluene	ppm	1.65	EPA – 18
17	Diethyl ether	ppm	Not Detected	EPA – 18
18	Methyl Ethyl Ketone	ppm	1.02	EPA – 18
19	N,N - Dimethylacetamide	ppm	Not Detected	EPA – 18
20	n-Pentane	ppm	Not Detected	EPA – 18
21	Dimethyl Formamide	ppm	0.71	EPA – 18
22	Cyclohexane	ppm	Not Detected	EPA – 18
23	Methyl tertiary butyl ether	ppm	Not Detected	EPA – 18
For Green Chem Solutions Private Limited (Laboratory Division)  Authorized Signatory				

*** End of Report ***

Page 2 of 2

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lab@greenchemsolutions.in

Test Report

Report No.	GCS/S/VOC/ 3978 G /2021-2022		Report Date	03.01.2022
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 02 (SCR 308)		Sample Received on	28.12.2021
Sample collected by	GCSPL		Test commenced on	28.12.2021
Sample collected Date	28.12.2021		Test completed on	03.01.2022
S.No.	PARAMETERS	Unit	RESULTS	Protocol
1	Dichloromethane	ppm	Not Detected	EPA – 18
2	Chloroform	ppm	Not Detected	EPA – 18
3	Acetone	ppm	Not Detected	EPA – 18
4	Methanol	ppm	1.47	EPA – 18
5	Ethanol	ppm	Not Detected	EPA – 18
6	Isopropyl Alcohol	ppm	1.02	EPA – 18
7	1,4 – Dioxane	ppm	Not Detected	EPA – 23
8	Acetonitrile	ppm	0.51	EPA – 18
9	Isopropyl ether	ppm	Not Detected	EPA – 18
10	n-Butanol	ppm	Not Detected	EPA – 18
11	Ethyl acetate	ppm	0.85	EPA – 18
12	n-Heptane	ppm	Not Detected	EPA – 18
13	Tetrahydrofuran	ppm	Not Detected	EPA – 23
For Green Chem Solutions Private Limited (Laboratory Division)  Authorized Signatory				

Page 1 of 2



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lab@greenchemsolutions.in

Test Report

Report No.	GCS/S/VOC/ 4978 G /2021-2022		Report Date	03.01.2022
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 02 (SCR 308)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
14	Dimethyl sulfoxide	ppm	Not Detected	EPA – 18
15	Hexane	ppm	1.17	EPA – 18
16	Toluene	ppm	1.72	EPA – 18
17	Diethyl ether	ppm	Not Detected	EPA – 18
18	Methyl Ethyl Ketone	ppm	0.96	EPA – 18
19	N,N - Dimethylacetamide	ppm	Not Detected	EPA – 18
20	n-Pentane	ppm	Not Detected	EPA – 18
21	Dimethyl Formamide	ppm	0.62	EPA – 18
22	Cyclohexane	ppm	Not Detected	EPA – 18
23	Methyl tertiary butyl ether	ppm	Not Detected	EPA – 18
For Green Chem Solutions Private Limited (Laboratory Division)				
				Authorized Signatory

*** End of Report ***

Page 2 of 2

Note : The results relate only to the samples tested. This test report shall not be reproduced without approval of the laboratory.
The samples will not be retained for more than one Month from the date of issue of test report.



GREEN CHEM SOLUTIONS PVT LTD

(ISO 14001: 2015 Certified)

Laboratory Division


No. 883, 11th Street, Syndicate Bank Colony, Anna Nagar West Extension, Chennai - 600 101.

E-Mail : info@greenchemsolutions.in
greenchemsolutions@gmail.com
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Tel : +91-44-42612103

Website: www.greenchemsolutions.in

Test Report

Report No.	GCS/S/VOC/ 3978 H /2021-2022		Report Date	03.01.2022
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 03 (SCR 306)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
1	Dichloromethane	ppm	Not Detected	EPA – 18
2	Chloroform	ppm	Not Detected	EPA – 18
3	Acetone	ppm	Not Detected	EPA – 18
4	Methanol	ppm	1.07	EPA – 18
5	Ethanol	ppm	Not Detected	EPA – 18
6	Isopropyl Alcohol	ppm	0.95	EPA – 18
7	1,4 – Dioxane	ppm	Not Detected	EPA – 23
8	Acetonitrile	ppm	0.61	EPA – 18
9	Isopropyl ether	ppm	Not Detected	EPA – 18
10	n-Butanol	ppm	Not Detected	EPA – 18
11	Ethyl acetate	ppm	0.93	EPA – 18
12	n-Heptane	ppm	Not Detected	EPA – 18
13	Tetrahydrofuran	ppm	Not Detected	EPA – 23
For Green Chem Solutions Private Limited (Laboratory Division)  Authorized Signatory				

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Test Report

Report No.	GCS/S/VOC/ 3978 H /2021-2022		Report Date	03.01.2022
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.			
Sample Description	Scrubber Stack VOC – MPB – 03 (SCR 306)	Sample Received on	28.12.2021	
Sample collected by	GCSPL	Test commenced on	28.12.2021	
Sample collected Date	28.12.2021	Test completed on	03.01.2022	
S.No.	PARAMETERS	Unit	RESULTS	Protocol
14	Dimethyl sulfoxide	ppm	Not Detected	EPA – 18
15	Hexane	ppm	1.06	EPA – 18
16	Toluene	ppm	1.53	EPA – 18
17	Diethyl ether	ppm	Not Detected	EPA – 18
18	Methyl Ethyl Ketone	ppm	0.92	EPA – 18
19	N,N - Dimethylacetamide	ppm	Not Detected	EPA – 18
20	n-Pentane	ppm	Not Detected	EPA – 18
21	Dimethyl Formamide	ppm	0.60	EPA – 18
22	Cyclohexane	ppm	Not Detected	EPA – 18
23	Methyl tertiary butyl ether	ppm	Not Detected	EPA – 18
For Green Chem Solutions Private Limited (Laboratory Division)  Authorized Signatory				

*** End of Report ***

Page 2 of 2

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Test Report

Report No.	GCS/S/FE/ 3979 /2021-2022	Report Date	03.01.2022				
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.						
Sample Description	Scrubber Stack Monitoring (gases) Fugitive Emission Monitoring	Sample Received on	28.12.2021				
Sample Collected by	GCSPL	Test Commenced on	28.12.2021				
Sample Collected Date	28.12.2021	Test Completed on	03.01.2022				
Sl.No.	Locations	Hydrochloric Acid	Nitric Acid	Bromine	Acetic Acid	Sulphur dioxide	Carbon dioxide
1	MPB – 01 (SB 301)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	12.6	1.6
2	MPB – 01 (SB 311)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	9.3	1.3
3	MPB – 01 (SB 312)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	11.5	2.0
4	MPB – 01 (SB 313)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	10.1	1.4
Unit		mg/m ³	mg/m ³	mg/m ³	mg/m ³	mg/m ³	%
Reference Method		OSHA ID-1655G	OSHA ID-1655G	OSHA ID – 108	OSHA PV 2119	IS 5182 Part 2	IS 13270:1992
BDL : Below Detection Limit D.L : Detection Limit							
For Green Chem Solutions Pvt.Ltd (Laboratory Division)  Authorized Signatory							



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Test Report

Report No.	GCS/S/FE/ 3979 /2021-2022	Report Date	03.01.2022				
Customer Name & Address	M/s. Natco Pharma Limited, Chemical Division, No.74/7B, Vaikkadu Village, Manali New Town, Ambattur (TK), Chennai.						
Sample Description	Scrubber Stack Monitoring (gases) Fugitive Emission Monitoring	Sample Received on	28.12.2021				
Sample Collected by	GCSPL	Test Commenced on	28.12.2021				
Sample Collected Date	28.12.2021	Test Completed on	03.01.2022				
Sl.No.	Locations	Hydrochloric Acid	Nitric Acid	Bromine	Acetic Acid	Sulphur dioxide	Carbon dioxide
5	MPB – 2 (SCR 304)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	8.7	1.2
6	MPB – 2 (SCR 305)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	9.8	1.7
7	MPB – 2 (SCR 308)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	10.5	1.5
8	MPB – 3 (SCR 306)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	10.9	1.9
9	Stores (SCR 302)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	BDL(D.L: 0.10)	8.0	1.0
Unit		mg/m ³	mg/m ³	mg/m ³	mg/m ³	µg/m ³	%
Reference Method		OSHA ID-165SG	OSHA ID-165SG	OSHA ID – 108	OSHA PV 2119	IS 5182 Part 2	IS 13270:1992
BDL : Below Detection Limit D.L : Detection Limit							
For Green Chem Solutions Pvt.Ltd (Laboratory Division)  Authorized Signatory							

*** End of Report***

Page 2 of 2

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GLens Innovation Labs Pvt Ltd.

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TEST REPORT

Report No : EN22070022-01

Report Date : 26 Jul 2022

SAMPLE DRAWN BY LABORATORY

Customer Name : M/s. Natco Pharma Limited

Customer Address : Natco Pharma Limited Chemical Division, Chennai, No 74/7B, Vaikkadu TPP Salai, Manali, Chennai-600103

Sample Name : Fugitive Emission

Sampling Date : 15 Jul 2022

Sample No : EN22070022-01

Sample Received on : 13 Jul 2022

Sampling Location : MPB-03

Test Started on : 13 Jul 2022

Sample Condition : Fit For Analysis

Test Completed on : 21 Jul 2022

Test result

S.No	Test Name	Test Method	Units	Results
VOC Analysis				
1	1,1-Dichloroethylene	GL/EN-INS/SOP/10	$\mu\text{g}/\text{m}^3$	BLQ(LOQ:0.1)
2	Trans 1,2-Dichloroethane			BLQ(LOQ:0.1)
3	Dichloromethane			BLQ(LOQ:0.1)
4	1,1-Dichloroethane			BLQ(LOQ:0.1)
5	2,2-Dichloropropane			BLQ(LOQ:0.1)
6	Cis-1,2-Dichloroethane			BLQ(LOQ:0.1)
7	Dibromomethane			BLQ(LOQ:0.1)
8	1,1-Dichloropropane			BLQ(LOQ:0.1)
9	Chloroform			0.80
10	1,1,1-Trichloroethane			BLQ(LOQ:0.1)
11	Bromochloromethane			BLQ(LOQ:0.1)

Authorized Signature
E. PRITHIVIRAJAN
LAB MANAGER

#6/1, 1st Floor, Sri Jothi Complex, Murugesan Street, Balavinayagar Nagar, Arumbakkam, Chennai - 600106.

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GLens Innovation Labs Pvt Ltd.

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TEST REPORT

Report No : EN22070022-01

Report Date : 26 Jul 2022

S.No	Test Name	Test Method	Units	Results
12	Bromodichloromethane	GL/EN-INS/SOP/10	$\mu\text{g}/\text{m}^3$	BLQ(LOQ:0.1)
13	1,2-Dichloropropane			BLQ(LOQ:0.1)
14	Benzene			BLQ(LOQ:0.1)
15	Carbontetrachloride			BLQ(LOQ:0.1)
16	Cis-1,3-Dichloropropane			BLQ(LOQ:0.1)
17	1,2-Dichloroethane			0.97
18	Trichloroethylene			BLQ(LOQ:0.1)
19	Toluene			0.633
20	1,1,2-Trichloroethane			BLQ(LOQ:0.1)
21	Tetrachloroethane			BLQ(LOQ:0.1)
22	Trans-1,3-Dichloropropane			BLQ(LOQ:0.1)
23	1,1,1,2-Tetrachloroethane			BLQ(LOQ:0.1)
24	1,3-Dichloropropane			BLQ(LOQ:0.1)
25	Ethylbenzene			0.17
26	Chlorobenzene			BLQ(LOQ:0.1)
27	Dibromochloromethane			BLQ(LOQ:0.1)
28	M-Xylene			BLQ(LOQ:0.1)
29	1,2-Dibromoethane			BLQ(LOQ:0.1)
30	Styrene			0.15
31	2-Chlorotoluene			BLQ(LOQ:0.1)
32	O-Xylene			0.23
33	P-Xylene			BLQ(LOQ:0.1)
34	Bromobenzene			BLQ(LOQ:0.1)
35	Propylbenzene			BLQ(LOQ:0.1)
36	1,2,3-Trichloropropane			BLQ(LOQ:0.1)
37	Isopropylbenzene			BLQ(LOQ:0.1)
38	Bromoform			BLQ(LOQ:0.1)
39	1,1,2,2-Tetrachloroethane			BLQ(LOQ:0.1)
40	1,2,4-Trimethylbenzene			0.49

Page 2 of 3

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

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GLens Innovation Labs Pvt Ltd.

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TEST REPORT

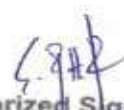
Report No : EN22070022-01

Report Date : 26 Jul 2022

S.No	Test Name	Test Method	Units	Results
41	P-Isopropyltoluene	GL/EN-INS/SOP/10	$\mu\text{g}/\text{m}^3$	0.45
42	1,4-Dichlorobenzene			BLQ(LOQ:0.1)
43	1,3-Dichlorobenzene			0.77
44	1,2-Dibromo-3-Chloropropane			BLQ(LOQ:0.1)
45	N-Butylbenzene			0.33
46	1,2-Dichlorobenzene			BLQ(LOQ:0.1)
47	1,3,5-Trimethylbenzene			0.11
48	T-Butylbenzene			BLQ(LOQ:0.1)
49	Naphthalene			0.33
50	4-Chlorotoluene			BLQ(LOQ:0.1)
51	1,2,3-Trichlorobenzene			BLQ(LOQ:0.1)
52	1,2,4-Trichlorobenzene			BLQ(LOQ:0.1)
53	Sec-Butylbenzene			BLQ(LOQ:0.1)
54	Hexachloro-1,3-Butadiene			BLQ(LOQ:0.1)

Note: BLQ-Below Limit of Quantification, LOQ-Limit of Quantification

.....End of Report.....
Page 3 of 3


Authorized Signature

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LAB MANAGER

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GLens Innovation Labs Pvt Ltd.

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TEST REPORT

Report No : EN22070022-02

Report Date : 26 Jul 2022

SAMPLE DRAWN BY LABORATORY

Customer Name : M/s. Natco Pharma Limited

Customer Address : Natco Pharma Limited Chemical Division, Chennai, No 74/7B, Vaikkadu TPP Salai, Manali, Chennai-600103

Sample Name : Fugitive Emission

Sampling Date : 15 Jul 2022

Sample No : EN22070022-02

Sample Received on : 13 Jul 2022

Sampling Location : MPB-02

Test Started on : 13 Jul 2022

Sample Condition : Fit For Analysis

Test Completed on : 21 Jul 2022

Test result

S.No	Test Name	Test Method	Units	Results
VOC Analysis				
1	1,1-Dichloroethylene	GL/EN-INS/SOP/10	$\mu\text{g}/\text{m}^3$	BLQ(LOQ:0.1)
2	Trans 1,2-Dichloroethane			BLQ(LOQ:0.1)
3	Dichloromethane			BLQ(LOQ:0.1)
4	1,1-Dichloroethane			BLQ(LOQ:0.1)
5	2,2-Dichloropropane			BLQ(LOQ:0.1)
6	Cis-1,2-Dichloroethane			BLQ(LOQ:0.1)
7	Dibromomethane			BLQ(LOQ:0.1)
8	1,1-Dichloropropane			BLQ(LOQ:0.1)
9	Chloroform			0.86
10	1,1,1-Trichloroethane			BLQ(LOQ:0.1)
11	Bromochloromethane			BLQ(LOQ:0.1)

Authorized Signature

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LAB MANAGER

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TEST REPORT

Report No : EN22070022-02

Report Date : 26 Jul 2022

S.No	Test Name	Test Method	Units	Results
12	Bromodichloromethane			BLQ(LOQ:0.1)
13	1,2-Dichloropropane			BLQ(LOQ:0.1)
14	Benzene			BLQ(LOQ:0.1)
15	Carbontetrachloride			BLQ(LOQ:0.1)
16	Cis-1,3-Dichloropropane			BLQ(LOQ:0.1)
17	1,2-Dichloroethane			0.57
18	Trichloroethylene			BLQ(LOQ:0.1)
19	Toluene			0.92
20	1,1,2-Trichloroethane			BLQ(LOQ:0.1)
21	Tetrachloroethane			BLQ(LOQ:0.1)
22	Trans-1,3-Dichloropropane			BLQ(LOQ:0.1)
23	1,1,1,2-Tetrachloroethane			BLQ(LOQ:0.1)
24	1,3-Dichloropropane			BLQ(LOQ:0.1)
25	Ethylbenzene			0.84
26	Chlorobenzene			BLQ(LOQ:0.1)
27	Dibromochloromethane			BLQ(LOQ:0.1)
28	M-Xylene			0.22
29	1,2-Dibromoethane			BLQ(LOQ:0.1)
30	Styrene			0.12
31	2-Chlorotoluene			BLQ(LOQ:0.1)
32	O-Xylene			0.85
33	P-Xylene			BLQ(LOQ:0.1)
34	Bromobenzene			BLQ(LOQ:0.1)
35	Propylbenzene			BLQ(LOQ:0.1)
36	1,2,3-Trichloropropane			BLQ(LOQ:0.1)
37	Isopropylbenzene			BLQ(LOQ:0.1)
38	Bromoform			BLQ(LOQ:0.1)
39	1,1,2,2-Tetrachloroethane			BLQ(LOQ:0.1)

Page 2 of 3

Authorized Signature

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LAB MANAGER

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TEST REPORT

Report No : EN22070022-02

Report Date : 26 Jul 2022

S.No	Test Name	Test Method	Units	Results
40	1,2,4-Trimethylbenzene	GL/EN-INS/SOP/10	$\mu\text{g}/\text{m}^3$	0.17
41	P-Isopropyltoluene			0.13
42	1,4-Dichlorobenzene			BLQ(LOQ:0.1)
43	1,3-Dichlorobenzene			0.95
44	1,2-Dibromo-3-Chloropropane			BLQ(LOQ:0.1)
45	N-Butylbenzene			BLQ(LOQ:0.1)
46	1,2-Dichlorobenzene			BLQ(LOQ:0.1)
47	1,3,5-Trimethylbenzene			BLQ(LOQ:0.1)
48	T-Butylbenzene			BLQ(LOQ:0.1)
49	Naphthalene			BLQ(LOQ:0.1)
50	4-Chlorotoluene			0.88
51	1,2,3-Trichlorobenzene			BLQ(LOQ:0.1)
52	1,2,4-Trichlorobenzene			BLQ(LOQ:0.1)
53	Sec-Butylbenzene			BLQ(LOQ:0.1)
54	Hexachloro-1,3-Butadiene			BLQ(LOQ:0.1)

Note: BLQ-Below Limit of Quantification, LOQ-Limit of Quantification

.....End of Report.....
Page 3 of 3


Authorized Signature

E. PRITHVI RAJAN
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#6/1st Floor, Sri Jothi Complex, Murugesan Street, Balavinayagar Nagar, Arumbakkam, Chennai - 600106.

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* The Test Results Relate only to the Items tested. * The Test Report shall not be reproduced in full or part without the written approval of BVIL. * The test items will not be retained for more than 15 days from the date of issue of test report except in the case as required by the application regulations. * The Laboratory's Responsibility under this report is limited to proven wilful negligence and will in no case be more than the invoiced amount.
* A Satisfactory test report in no way implies that the product as tested is approved by NABL. * Laboratory is not responsible for the authenticity of photocopied test reports.
WARNING: Attention is drawn to the limitations of the Liability, indemnification and jurisdictional issues established there in any holder of their document is advised that information contained hereon reflect the company's findings at the time of its intervention only and within the limits of client's instructions, if any. The company's sole responsibility is to its client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document.



GLens Innovation Labs Pvt Ltd.

NABL ACCREDITED AS PER ISO/IEC 17025 : 2017, CERTIFIED AS PER ISO 9001:2015 & ISO 45001 : 2018

TEST REPORT

Report No : EN22070022-03

Report Date : 26 Jul 2022

SAMPLE DRAWN BY LABORATORY

Customer Name : M/s. Natco Pharma Limited

Customer Address : Natco Pharma Limited Chemical Division, Chennai, No 74/7B, Vaikkuadu TPP Salai, Manali, Chennai-600103

Sample Name : Fugitive Emission

Sampling Date : 15 Jul 2022

Sample No : EN22070022-03

Sample Received on : 13 Jul 2022

Sampling Location : MPB-01

Test Started on : 13 Jul 2022

Sample Condition : Fit For Analysis

Test Completed on : 21 Jul 2022

Test result

S.No	Test Name	Test Method	Units	Results
VOC Analysis				
1	1,1-Dichloroethylene	GL/EN-INS/SOP/10	$\mu\text{g}/\text{m}^3$	BLQ(LOQ:0.1)
2	Trans 1,2-Dichloroethane			BLQ(LOQ:0.1)
3	Dichloromethane			BLQ(LOQ:0.1)
4	1,1-Dichloroethane			BLQ(LOQ:0.1)
5	2,2-Dichloropropane			BLQ(LOQ:0.1)
6	Cis-1,2-Dichloroethane			BLQ(LOQ:0.1)
7	Dibromomethane			BLQ(LOQ:0.1)
8	1,1-Dichloropropane			BLQ(LOQ:0.1)
9	Chloroform			0.92
10	1,1,1-Trichloroethane			BLQ(LOQ:0.1)
11	Bromochloromethane			BLQ(LOQ:0.1)

Authorized Signature

E. PRITHVIRAJAN
LAB MANAGER

#6/1, 1st Floor, Sri Jothi Complex, Murugesan Street, Balavinayagar Nagar, Arumbakkam, Chennai - 600106.

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GLens Innovation Labs Pvt Ltd.

NABL ACCREDITED AS PER ISO/IEC 17025 : 2017, CERTIFIED AS PER ISO 9001:2015 & ISO 45001 : 2018

TEST REPORT

Report No : EN22070022-03

Report Date : 26 Jul 2022

S.No	Test Name	Test Method	Units	Results
12	Bromodichloromethane	GL/EN-INS/SOP/10	µg/m ³	BLQ(LOQ:0.1)
13	1,2-Dichloropropane			BLQ(LOQ:0.1)
14	Benzene			BLQ(LOQ:0.1)
15	Carbontetrachloride			BLQ(LOQ:0.1)
16	Cis-1,3-Dichloropropane			BLQ(LOQ:0.1)
17	1,2-Dichloroethane			0.93
18	Trichloroethylene			BLQ(LOQ:0.1)
19	Toluene			0.94
20	1,1,2-Trichloroethane			BLQ(LOQ:0.1)
21	Tetrachloroethane			BLQ(LOQ:0.1)
22	Trans-1,3-Dichloropropane			BLQ(LOQ:0.1)
23	1,1,1,2-Tetrachloroethane			BLQ(LOQ:0.1)
24	1,3-Dichloropropane			BLQ(LOQ:0.1)
25	Ethylbenzene			0.32
26	Chlorobenzene			BLQ(LOQ:0.1)
27	Dibromochloromethane			BLQ(LOQ:0.1)
28	M-Xylene			0.14
29	1,2-Dibromoethane			BLQ(LOQ:0.1)
30	Styrene			0.25
31	2-Chlorotoluene			BLQ(LOQ:0.1)
32	O-Xylene			0.32
33	P-Xylene			BLQ(LOQ:0.1)
34	Bromobenzene			BLQ(LOQ:0.1)
35	Propylbenzene			BLQ(LOQ:0.1)
36	1,2,3-Trichloropropane			BLQ(LOQ:0.1)
37	Isopropylbenzene			BLQ(LOQ:0.1)
38	Bromoform			BLQ(LOQ:0.1)
39	1,1,2,2-Tetrachloroethane			BLQ(LOQ:0.1)

Page 2 of 3

Authorized Signature

E. PRITHVI RAJAN
LAB MANAGER

#6/1, 1st Floor, Sri Jothi Complex, Murugesan Street, Balavinayagar Nagar, Arumbakkam, Chennai - 600106.

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GLens Innovation Labs Pvt Ltd.

NABL ACCREDITED AS PER ISO/IEC 17025 : 2017, CERTIFIED AS PER ISO 9001:2015 & ISO 45001 : 2018

TEST REPORT

Report No : EN22070022-03

Report Date : 26 Jul 2022

S.No	Test Name	Test Method	Units	Results
40	1,2,4-Trimethylbenzene	GL/EN-INS/SOP/10	$\mu\text{g}/\text{m}^3$	0.51
41	P-Isopropyltoluene			0.42
42	1,4-Dichlorobenzene			BLQ(LOQ:0.1)
43	1,3-Dichlorobenzene			0.89
44	1,2-Dibromo-3-Chloropropane			BLQ(LOQ:0.1)
45	N-Butylbenzene			0.22
46	1,2-Dichlorobenzene			BLQ(LOQ:0.1)
47	1,3,5-Trimethylbenzene			BLQ(LOQ:0.1)
48	T-Butylbenzene			BLQ(LOQ:0.1)
49	Naphthalene			0.46
50	4-Chlorotoluene			BLQ(LOQ:0.1)
51	1,2,3-Trichlorobenzene			BLQ(LOQ:0.1)
52	1,2,4-Trichlorobenzene			BLQ(LOQ:0.1)
53	Sec-Butylbenzene			BLQ(LOQ:0.1)
54	Hexachloro-1,3-Butadiene			BLQ(LOQ:0.1)

Note: BLQ-Below Limit of Quantification, LOQ-Limit of Quantification

.....End of Report.....
Page 3 of 3


Authorized Signature

E. PRITHIVI RAJAN
LIS MANAGER

#6/1, 1st Floor, Sri Jothi Complex, Murugesan Street, Balavinayagar Nagar, Arumbakkam, Chennai - 600106.

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TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Manali

From

To

P.K.Raguraman, M.Sc., Dip. (Ind.Safety)
Chief Scientific Officer,
District Environmental Laboratory, Manali
Tamil Nadu Pollution Control Board,
950/1, Poonamallee High Road,
Arumbakkam,
Chennai-106

M/s. Natco Pharma Ltd.,
74/7-B Vaikkadu TPP Salai,
Manali,
Chennai – 600 103.

Lr.No.TNPC Bd/DEL-MNL/Air Survey/F. No.57/2021-22, Dt. 19.07.2021


Sir,

Sub: Furnishing of Report of Analysis of Ambient Air Quality /
Stack Monitoring / Ambient Noise Level Survey – Reg.

Ref: 1. This office Lr.No. TNPCB/DEL/MNL/AAQS/SM/NLS/F.No. 57/2021-22 dt. 30.06.2021
2. Your Lr.No.Nil dt. 07.07.2021
3. Cash Receipt No.81072 dt. 08.07.2021 Rs.63,400/-

I am herewith sending the Report of Analysis of Ambient Air Quality / Stack Monitoring / Ambient Noise Level Survey conducted in the vicinity of your industry **M/s. Natco Pharma Ltd.,** Manali, Chennai – 103 on **13.07.2021** with invoice for Rs. 63,400/- (Rupees Sixty Three Thousand and Four Hundred only) towards the above survey / analytical charges, and the same has been adjusted vide reference (3) cited.

Kindly acknowledge the receipt of the above without fail.


Chief Scientific Officer,
District Environmental Laboratory
Tamil Nadu Pollution Control Board
Manali

Encl.: As above.

Copy submitted to:

1. The District Environmental Engineer, TNPC Bd, Ambattur for favour of kind information please.
2. Copy to file.

**TAMILNADU POLLUTION CONTROL BOARD**

District Environmental Laboratory, Manali

AMBIENT AIR QUALITY SURVEY – Report of Analysis**Report No. 13 /AAQS/2021-22****Date: 19.07.2021**

1. Name of the Industry : **M/s. Natco Pharma Ltd.,**
 2. Address of the Industry : **Vaikkadu Village, Manali, Chennai - 103**
 3. Date of Survey : **13.07.2021**
 4. Duration of Survey : **8 Hours / 24 hours**
 5. Category : **Red / Orange / Green – Large / Medium / Small**
 6. Land use classification : **Industrial / Commercial / Residential / Sensitive**

Meteorological Conditions

Ambient Temperature ($^{\circ}$ C)	Min 29	Max 34	Relative Humidity (%)	Min 56	Max 79
Weather Condition	Partially Cloudy		Rain Fall (mm)	Nil	
Predominant Wind Direction	WNW-ESE		Mean Wind Speed (km/hr)	13	

Ambient Air Quality Survey Results

Sl. No.	Location	Direction *	Distance (m) *	Height Form GL (m)	Pollutants Concentration (microgram / m ³)			
					PM 2.5	PM 10	SO ₂	NO ₂
1	On top of platform near QC Lab	NE	100	3.0	24	63	9	14
2	On top of platform near RO Pump Room	E	75	3.0	--	68	12	16
3	On top of platform near Main Gate	SE	100	3.0	--	74	15	19
4	On top of platform near Hazardous stores	SW	100	3.0	13	65	10	15
5	On top of platform adjacent to solvent storage yard	W	75	3.0	--	60	8	13
6	On top of platform adjacent to Security Booth	NW	150	3.0	--	51	7	11

Note: * With respect to major emission sources. The analytical results are restricted to the sampling period of **8 hrs/24hrs**

AW
22/7/21
DCSO

Chief Scientific Officer,
 District Environmental Laboratory
 Tamil Nadu Pollution Control Board
 Manali

Test Performed	Test Method
PM10	IS 5182 : (Part 23) – 2006
SO2	Modified West – Gaeke / IS 5182 : (Part 2) – 2001 RA: 2012
NO2	Jacobs – Hochheiser / IS 5182 : (Part 6) – 2006 RA: 2012



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Manali

AMBIENT AIR QUALITY SURVEY

Schematic Diagram Showing Location of Sampling

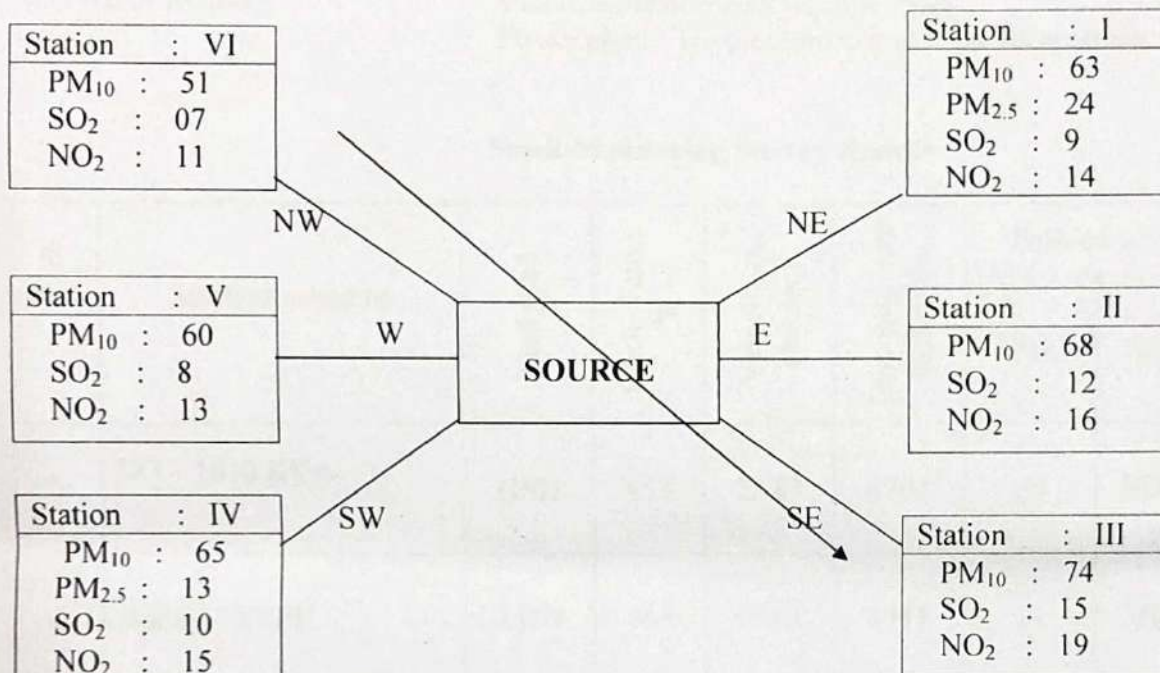
Report No. 13 /AAQ/SM/2021-22

Name and Address of the Industry

: **M/s. Natco Pharma Ltd.,**
Vaikkadu Village, Manali, Chennai - 103

Date of Survey

: 13.07.2021



Note: All the values are expressed in $\mu\text{g}/\text{m}^3$ and restricted to sampling period of 8 hrs/24hrs

Meteorological Conditions:	
Predominant Wind Direction	WNW- ESE
Wind Speed (Km/hr)	13
Weather Condition	Partially Cloudy
Rainfall	Nil

DCSO

Chief Scientific Officer,
District Environmental Laboratory
Tamil Nadu Pollution Control Board
Manali

**TAMILNADU POLLUTION CONTROL BOARD**

District Environmental Laboratory, Manali

STACK MONITORING SURVEY – Report of Analysis**Report No. 13/ SM/2021-22**

Date: 19.07.2021

1. Name of the Industry : **M/s. Natco Pharma Ltd.,**
2. Address of the Industry : **Vaikkadu Village, Manali, Chennai - 103**
3. Date of Survey : **13.07.2021**
4. Type of Industry : **Coal/Chemical/Sugar/Paper & Pulp/
Power plant / Textile Processing/ **Pharmaceuticals****

Stack Monitoring Survey Results

Sl. No.	Stack attached to	Fuel used	Stack Temp °K	Velocity in (m/ sec)	Discharge rate In Nm ³ /hr	Pollutants (mg / Nm ³)		
						PM	SO ₂	NO _x
1	DG – 1010 KVA	HSD	453	22.87	1701	29	BDL	590
2	Boiler - 3 TPH	LDO	463	10.61	6947	24	39	158

Test Performed	Test Method
PM10	IS 5182 : (Part 23) – 2006
SO ₂	Modified West – Gaeke / IS 5182 : (Part 2) – 2001 RA: 2012
NO _x	Jacobs – Hochheiser / IS 5182 : (Part 6) – 2006 RA:2012

22/7/21
DCSO

22/7/21
Chief Scientific Officer,
District Environmental Laboratory
Tamil Nadu Pollution Control Board
Manali

**TAMILNADU POLLUTION CONTROL BOARD**

District Environmental Laboratory, Manali

Stack Details**Report No.13 /AAQ/SM/2021-22**1. Name and Address of the Industry : **M/s. Natco Pharma Ltd.,**
Vaikkadu Village, Manali, Chennai - 103

2. Date of Survey : 13.07.2021

Sl. No.	Particulars	I	II
1.	Stack attached to	DG	Boiler
2.	Details of process stack	DG - 1010 KVA	Boiler - 3 TPH
3.	Height from G Level in (m)	11	40
4.	Diameter in (m)	0.2	0.6
5.	Port hole height from Ground Level or bends or ducts in (m)	7.5	22
6.	Fuel Used (with % Sulphur content)	HSD	LDO
7.	Fuel Consumption rate per day (mention units)	Standby	120L/Day
8.	Boiler and capacity	--	3T
9.	Production on 13.07.2021	Chlorambucil- 0.205 Kgs, Gefitinib- 0.811 Kgs, Imatinib Methane sulfonate-0.903 Kgs, Melphalan- 0.07 Kgs	
10.	APC Measures provided	Acoustic Enclosure, AirFilter	--
11.	APC functional status	Functional	--
12.	Composition of flue gas mg/m ³	CO %	169
		CO ₂ %	2.82
		O ₂ %	18.6
13.	Moisture content in %	--	--
14.	Ambient temp in °K	305	306
15.	Temp of flue gas in °K	453	463
16.	Velocity of flue gas in m/sec	22.87	10.61
17.	Volume of flue gas sampled in m ³	0.9761	0.9711
18.	Gaseous Discharge rate per day in Nm ³ /hr	1701	6947
19.	Combustion efficiently %	--	--

dw
22/7/21
DCSO

Chief Scientific Officer,
District Environmental Laboratory
Tamil Nadu Pollution Control Board
Manali



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Manali

STACK MONITORING SURVEY – Additional details

Report No. 13/ SM/2021-22

Date: 19.07.2021

1. Name of the Industry : **M/s. Natco Pharma Ltd.,**
2. Address of the Industry : Vaikkadu Village, Manali, Chennai - 103
3. Date of Survey : 13.07.2021
4. Type of Industry : Coal/Chemical/Sugar/Paper & Pulp/
Power plant / Textile Processing/ **Pharmaceuticals**

Stack Monitoring Additional details

Sl. No.	Details of stack mentioned in the Air Consent order	Details of stack available and in working condition	Details of stack for which stack Emission sampling have been done	Justification for the left out of stack Emission Sampling
1.	DG – 1010 KVA	Working	Sampling Done	--
2.	Boiler - 3 TPH	Working	Sampling Done	--

aw
22/7/21
DCSO

Chief Scientific Officer,
District Environmental Laboratory
Tamil Nadu Pollution Control Board
Manali

**TAMILNADU POLLUTION CONTROL BOARD**

District Environmental Laboratory, Manali

AMBIENT/SOURCE NOISE LEVEL SURVEY - Report of Analysis**Report No. 13/NLS/2021-22****Date: 19.07.2021**

Date: 13.07.2021				
1.	Name of the Industry	M/s. Natco Pharma Ltd.,		
2.	Address of the Industry	Vaikkadu Village, Manali, Chennai - 103		
3.	Date of Survey	13.07.2021		
Category		RL	Land use Classification	Industrial
Type of Survey		Ambient/Source	Time of Survey	Day
Meteorological conditions			Calm/Windy/Rainy	Windy

Logging Parameters


Logging Parameters					
Instrument Used		CESVA Model SC310		Serial No	
T243103					
Logging Interval		10 Minutes each point		Measuring Range	
50-110 dB(A)					
Weighting	“A”	Peak Weighting	“C”	Time Weighting	FAST
Sound Incidence		RANDOM		Time in hrs	
14.00 – 15.00					

Report of Noise Level Monitoring

Sl No	Location	Duration (min)	Distance (M)	Direction	Sound Level - dB (A)		
					L _{eq}	Min	Max
1	Near QC Lab	10	100	NE	67.2	60.1	72.3
2	Near Main Gate	10	100	SE	59.5	55.0	65.5
3	Near Hazardous Stores	10	100	SW	51.7	50.6	61.4
4	Near Solvent Storage Yard	10	75	W	54.3	51.3	69.3
5	Near Security Booth	10	100	NW	64.2	55.6	70.2

Note: Leq value is the average energy for the measured period.


 DCSO


 Chief Scientific Officer,
 District Environmental Laboratory
 Tamil Nadu Pollution Control Board
 Manali



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Manali

INFERENCE REPORT ON A.A.Q.S/ S.M.

1. Name of Industry : M/s. Natco Pharma Ltd.,
2. Pollution Category : Red Large
3. Date of A.A.Q. Survey : 13.07.2021
4. Predominant Wind Direction : WNW - ESE
5. Weather condition : Partially Cloudy

STATUS OF POLLUTANTS LEVEL

I. AMBIENT AIR QUALITY :-

1. Total No. of A.A.Q. stations monitored : 6
2. No. of A.A.Q. stations in which Pollutants
Level exceeded the Boards standards : Nil

Maximum and Minimum values of Pollutants Level observed:

Sl. No.	POLLUTANT	Values in microgram/m ³		BOARD's STANDARD (As per consent order)
		Maximum	Minimum	
1.	PM ₁₀	74	51	100
	PM _{2.5}	24	13	60
2.	<u>GASEOUS POLLUTANTS:-</u>			
	(i) SO ₂	15	7	80
	(ii) NO ₂	19	11	80

II. STACK MONITORING:-

1. Total No. of Stacks Monitored : 2
2. No. of Stacks in which Pollutants level
Exceeded the Boards standards : Nil

dw
22/7/21
DCSO

22/7/21
Chief Scientific Officer,
District Environmental Laboratory
Tamil Nadu Pollution Control Board
Manali

**TAMILNADU POLLUTION CONTROL BOARD**

District Environmental Laboratory, Manali

BILL**Report No. 13/AAQ/SM/2021-22**

Bill No.	13/2021-22
Date	19.07.2021

To

M/s. Nateo Pharma Ltd.,

Vaikkadu Village, Manali, Chennai – 103

Ref: 1. B.PMs.No.6 Dt.31.03.2009,

2. This office Lr.No. TNPCB/DEL/MNL/AAQS/SM/NLS/F.No. 57/2021-22 dt. 30.06.2021

3. Your Lr.No.Nil dt. 07.07.2021

4. Cash Receipt No.81072 dt. 08.07.2021 Rs.63,400/-

Sl. No.	Description	Rate (Rs.)	No. of Stations/ Stacks	Amount (Rs.)
1.	SAMPLING CHARGES:			
	(i) Ambient Air Quality monitoring PM ₁₀	2000	6	12,000
	(ii) Source Emission Monitoring (PM, SO ₂ , NO _x etc.,)	7500	2	15,000
	(iii) Ambient Air Quality monitoring PM _{2.5}	2000	2	4,000
2.	ANALYTICAL CHARGES:			
	(i) Ambient Air Samples PM ₁₀ , SO ₂ , NO ₂ (each Rs. 600/-)	1800	6	10,800
	(ii) Ambient Air Samples PM _{2.5}	1000	2	2,000
	(iii) Source Emission Samples PM, SO ₂ , NO _x (each Rs.600/-)	1800	2	3,600
3.	AMBIENT NOISE MONITORING CHARGES:			
	(i) For first 5 stations	800	5	4,000
4.	VOC	2000	6	12,000
Total				63,400
Received Vide IndusInd Bank DD No.674603 dated 06.07.2021 Our CR.No. 81072 dated 08.07.2021				63,400
Balance				Nil

DCSO

Chief Scientific Officer,
District Environmental Laboratory
Tamil Nadu Pollution Control Board
Manali



TAMIL NADU POLLUTION CONTROL BOARD

OFFICE OF :

DOC TYPE :

☐ ☐ ☐

OFFICE CODE :

CODE :

CASH RECEIPT NO. **81072**

Date : **08/07/2021**

ACCOUNTS				S.L.			

Received from **M/s. Nates Pharma Ltd., Manali, Chennai - 103**

the sum of Rupees **Sixty three thousand four hundred only**

in cash / by D.D. / Banker's Cheque No. **674603** dated **06/07/2021**

drawn on **Induslax Bank.** Payable at **Chennai**

towards Cess / EMD / SD / Consent Fee to Air / Water / Analysis fees / AAQS /

VEM Test Fees / ETI / Other **—**

Rs. **63400/-**

Signature & Seal
District Environmental Engineer
Tamilnadu Pollution Control Board
Chennai District.

NATCO PHARMA LIMITED, CHEMICAL DIVISION-CHENNAI

Ambient Air Quality (Natco Mobile van Station – SNAP Shot) For (NO_x, So₂, RSPM & CO)& For (VOC-MEEP, ETP & Production area)

Ambient Air Quality Monitors for the parameters such as No_x, So_x, PM 2.5, PM10 & CO and TVOC-Production, TVOC-MEE, TVOC-ETP are connected to the Care Air Centre at all times and the data's are uplinked to Care Air Centre continuously



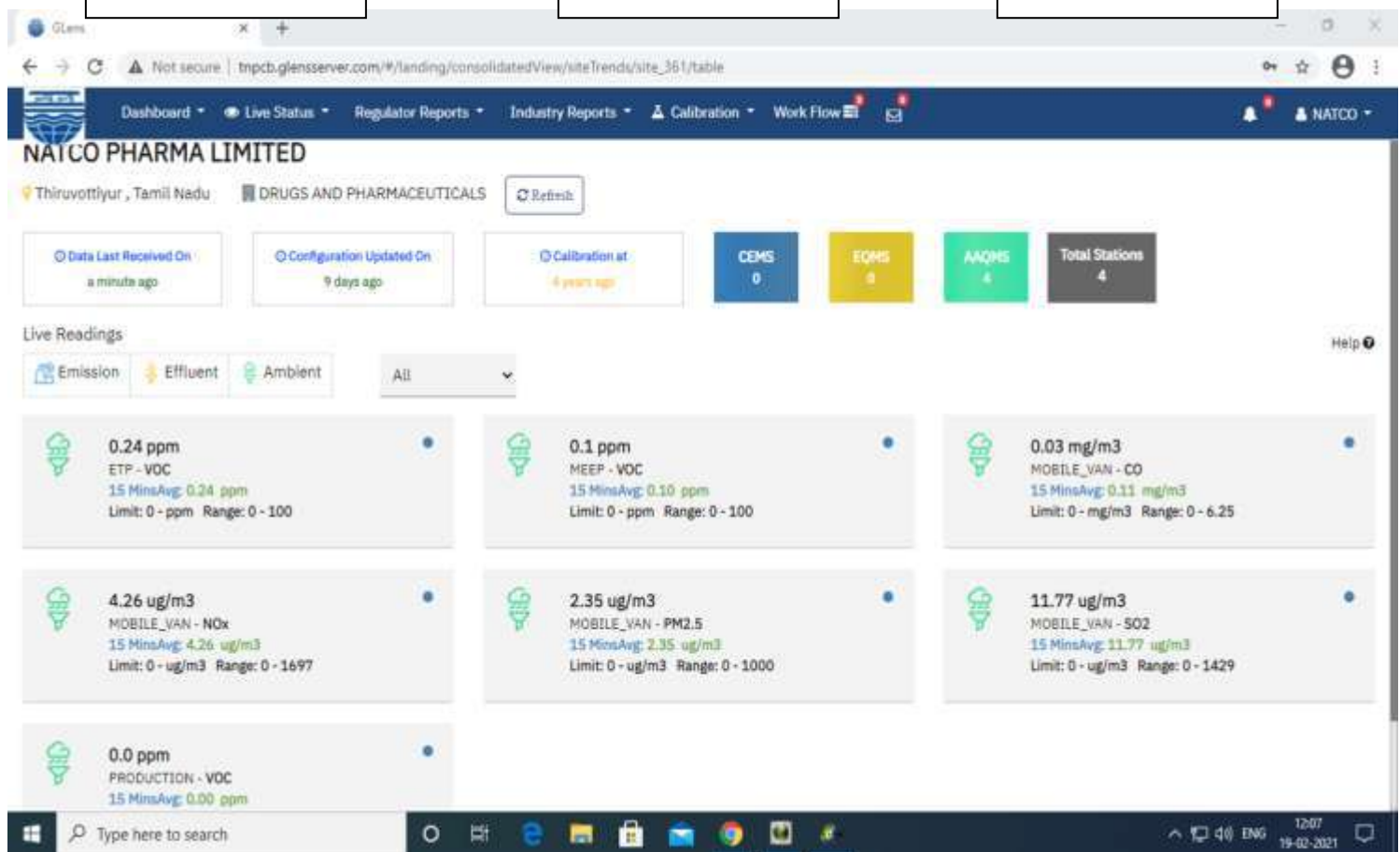
AAQ Mobile Station



AAQ Analyzers



VOC Analyzers





CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD

REGIONAL OFFICE-II, PUZHAI AMBATTUR ROAD, PUZHAI, CHENNAI-600 066

EXECUTIVE ENGINEER/RO-II

Lr.No. CMWSSB/RO-II/WSO-03/2018

Dated: 25.05.2018

To,
The General Manager,
NATCO PHARMA Limited,
Vaikkadu,
TPP Road, Manali
Chennai 600 103.

Sir,

Sub: CMWSSB - ROII - Providing water supply connection to the M/s NATCO PHARMA Limited at Vaikkadu, TPP Road, Manali by laying 100mm dia water main in ROII - Estimate cost to be deposited - Reg.

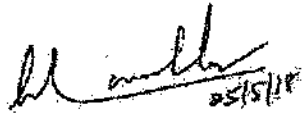
Ref: 1. Your Lr. Dated 26.12.2017
2. Application Registration No. WV 2017 0017.

Your request for providing water connection vide references cited, has been approved by the competent authority on 24.05.2018 at a cost of Rs.42,50,000/-

You are requested to deposit the estimate cost of Rs.42,50,000/- (Rupees Forty two Lakhs and fifty thousand only) in the form of DD/Pay order drawn in favour of CMWSSB, so as to take further action.

The above estimated cost is only tentative and if any variation (price escalation / tender variation etc.) will be borne by you.

Your early reply in this regard is solicited for taking further action.


25/5/18
EXECUTIVE ENGINEER/RO-II
EXECUTIVE ENGINEER
C.M.W.S. & S. Board
Region - II Ambathur Road,
Puzhal, Chennai - 66





NATCO PHARMA LIMITED

Regd Off: 'NATCO HOUSE', Road No. 2, Banjara Hills, Hyderabad-500 034, Telangana, INDIA
Tel : +91 40 23547532, Fax : +91 40 23548243 CIN : L24230TG1981PLC003201, www.natcopharma.co.in.
GSTIN : 33AAACN6927A1ZW

20.06.2018
Chennai

To

The Executive Engineer
C.M.W.S &S. Board
Region -II, Ambathur Road
Puzhal
Chennai- 600 016

Respected Sir,

Ref: 1. Lr. No.CMWSSB/RO-II/WSC-03/2018. Dated: 25.05.2018
2. Application registration No.WV20170017

With reference to your letter dated 25.05.2018 herewith we are submitting the DD payment for Rs.4250000/-- (Forty two lakh fifty thousand rupees only) Vide DD No. 624358 dated 14.06.2018, this is towards to provide metro water supply connection to the M/s. Natco Pharma Limited.

Please do the needful as early as possible.

For NATCO PHARMA LIMITED

G.Vasan
Sr.GM-- Operations

Encl : DD original



MGMT. SYS.
RVA C 024

The RVA is a signatory to the IAF MLA

[Signature]

Manufacturing Site :
Chemical Division - Chennai.
(ISO 14001:2015 and OHSAS 18001:2007 Certified)
S.No. 74/7B, Vaikkadu TPP Salai, Manali, Chennai, Tamilnadu - 600 103.
Tel. +91 044 29011779, 29000434, +91-7299009981/82/83/84.





Annexure-05

Rain Water Harvesting Plan & Implementation

1. Building Roof Area Details

S.No	Building Name	Roof Catchment Area (Sq.m)
1	Multi Production Block -01 (Proposed)	525
2	Multi Production Block -02	900
3	Multi Production Block -03	400
4	Administration Building	525
5	RM store roof area	725
6	Proposed QC Block	850
8	Boiler & Power house area	445

Note: Scrubber area not included in the roof catchment area

2. Calculation of tentative rain water harvesting quantity based on annual rainfall:

Rain water Harvesting Potential = Rain fall (mm) X Collection Efficiency

Annual rain fall in chennai = 1000 mm

Area of roof catchment = 100 Sq.Meter

Rain water collection form that area = $1 \times 100 = 100$ Cubic Meter

Constant co-efficient for spillage, evaporation & wastage = 0.80

Constant Runoff co-efficient for

1. Tiles = 0.8

2. Metal Sheet = 0.7

Therefore Effective Rain water Harvesting = $100 \times 0.8 \times 0.8$
= 64 m³

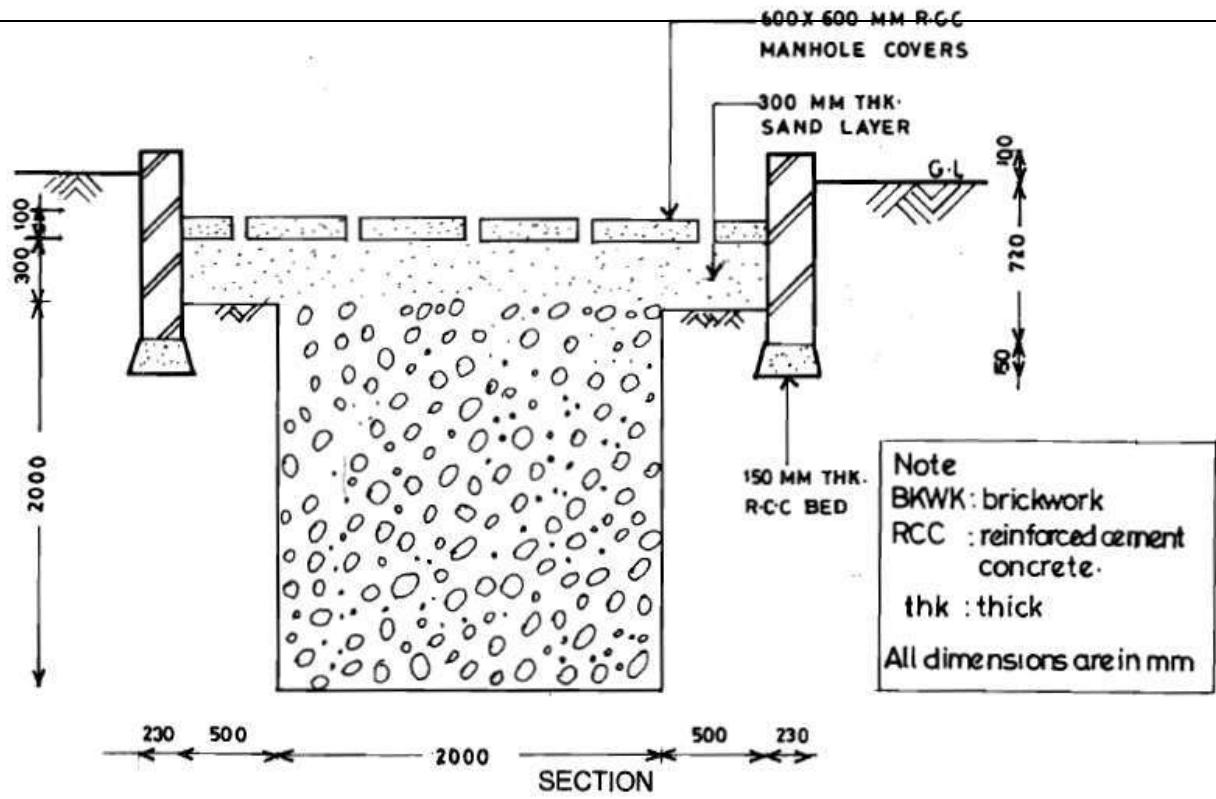
So 64 m³/year of rain water can be harvested from 100 Sq.Meter of roof (Tiles)

Annual rain fall in Chennai as = 750 to 1000 mm (Assume 1000 mm)

Hourly rain fall in Chennai as = 30 to 40 mm (Assume 30 mm)

creation of Rain water harvesting system

S.No	Building Name	Area (Sq.m)	Annual rainwater harvesting (m3)	Peak hour rainwater harvesting (m3)	Rain water Harvesting plan
1	Multi Production Block -01 (Proposed)	525	400	13	Name: Rain water harvesting pond (RWHP-01) Area: Plant North East Corner Size: 28 X 28 X 2.3 m (LBD) Capacity - 1800 m3
2	Multi Production Block -02	900	800	22	
3	Multi Production Block -03	400	320	10	Name: Rain water Recharging Pit (RWHP-02) Area: Behind Admin Block - North Bay Size: 2.4 X 3 X 2.5 m (LBD)
4	Administration Building	525	400	13	
5	RM store roof area	725	600	17	Name: Rain water Recharging Pit (RWHP-03) Area: Behind RM stores Size: 2.4 X 3 X 2.5 m (LBD)
6	Proposed QC Block	850	700	20	



Rain Water Harvesting Plan

Multi Production Block -01	Multi Production Block -02	Multi Production Block -03	Administration Building
			
			
<p>Name : Rain water harvesting pond (RWHP-01)</p> <p>Area : Plant North East Corner</p> <p>Size : 28 X 28 X 2.3 m (LBD)</p> <p>Capacity : 1800 m³</p> <p>Purpose : Recharging & Reuse for Greenbelt</p>		<p>Name : Rain water Recharging Pit (RWHP-02)</p> <p>Area : Behind Admin Block - North Bay</p> <p>Size : 2.4 X 3 X 2.5 m (LBD)</p> <p>Capacity : 23 m³/hr (Peak hour harvesting)</p> <p>Purpose : Recharging of ground water</p>	

Rain Water Harvesting Plan

RM store roof area	Proposed QC Block
	
 	
<p> Name : Rain water Recharging Pit (RWHP-03) Area : Behind RM stores Size : 2.4 X 3 X 2.5 m (LBD) Capacity :37 m³/hr (Peak hour harvesting) Purpose : Recharging of ground water </p>	

NABL Lab Report for reduction of PM Emission:



AVISON ENVIRO SYSTEMS LLP

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,

Teachers Colony, Kolathur, Chennai 600 099.

E-mail: lab@avison.in | www.avison.in

+91 44-4860 0077, 3559 2582

An ISO 9001:2015, ISO 45001:2018 Certified Organization

TEST REPORT

Job No.	244/21-22	Report No.	21000001456-21000001465	Report Date	27.12.2021
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Sample Description : Stack Emission Monitoring

Customer Name : M/s. Chakr Innovation Private Limited

Customer Address : Survey No 236/237,
Rajiv Gandhi Infotech Park Phase-1,
Hinjewadi, Pune – 411 057.

Site Name : M/s. NATCO Pharma Limited,

Site Address : Chennai plant,
Tpp salai, 74/7b, SH 104, Manali New Town, Manali,
Chennai, Tamil Nadu 600 103.

Sample Drawn by : AES

Date of Monitoring : 22.12.2021

Name of the Stack : DG-1 (1010 KVA)

Sample Code : AES2112084-AES2112093

Stack Details: Make: Sterling WILSON & S.NO: 536301170

Sampling Method : AES/EN/SOP/003

Time of Monitoring : 1200 Hrs to 1500 Hrs

Ambient Temperature : 36°C

Sample Received On : 23.12.2021

Sample Completed On : 27.12.2021

S.No	Description	Method	Units	Results		Max Limits (CPCB)
				With Silencer	With Chakr Shield 2.0	
*1.	Particulate Matter (PM)	IS:11255 (Part-1)1985 (Reaff 2017)	mg/Nm ³	71.6	19.3	75

*Note: Calculations driven by ISO 8178 load points for 100% load

For AVISON ENVIRO SYSTEMS LLP

Verified by



Authorized Signatory

End of Report

1 of 1

R. VIVEKANANTH
TECHNICAL MANAGER



Natco Pharma Limited, Chemical Division Chennai

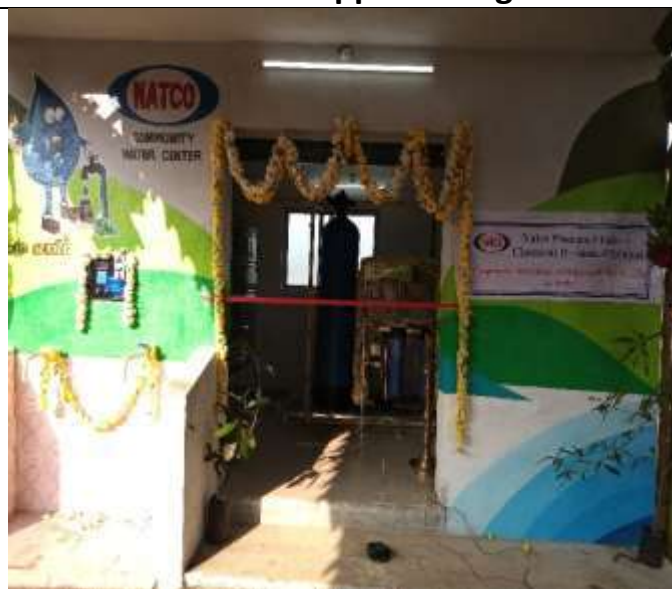
Annexure-06 CER Activity

Total CER amount Expended (Year 2020-22)					
	Activity	Qty	Unit	Price(Rs)	
A	GOVERNMENT MIDDLE SCHOOL, ANDARKUPPAM				Remarks
1	School Uniforms - For 30 Students	60	no	19500	Handedover
2	New RO unit for drinking- 50 ltr/hr	2	No	173800	Handedover
3	Furniture provision to students & Teachers	1	Lot	261000	Handedover
4	Sanitary waste Incinerators	1	No	34000	Handedover
5	Installation charges (Plumbing & Electrical work) for RO Plant & Napkin destroyer	1	Lot	22000	Handedover
B	GOVERNMENT PRIMARY HEALTH CENTER MANALI NEW TOWN				
1	New RO unit for drinking- 50 ltr/hr	1	No	86938	Handedover
2	Installation charges (Plumbing & Electrical work) for RO Plant	1	No	10000	Handedover
C	New Drinking RO Plant Facility 2000 ltr/hr in AndarKuppam Village	1	No	1032500	Handedover
D	New Drinking RO Plant Facility 2000 ltr/hr in KANNIYAMMAN PETTAI Village	1	No	1032500	Handedover
E	Donated to Chennai Manali corporation (For Namakku Namme Thittam programme)	1	Lot	10000	Handedover
F	Donated to Chennai Manali corporation (For Beautifcation of school walls)	1	Lot	36000	Handedover
G	Donated to Greater Chennai corporation (Educational Support)	1	Lot	500000	Handedover
H	Donated to Covid 19 for oxygen plant to M/s Tirumala charitable society, Ranipet	1	Lot	500000	Handedover
I	Donated to Green TamilNadu Mission for Greenbelt Development	1	Lot	500000	Handedover
	Total amount Expended for CER (Lacs)				42.18

CER Activity



Drinking RO Plant Facility 2000 ltr/hr Installed in Andarkuppam village



Drinking RO Plant Facility 2000 ltr/hr Installed in Kanniyamman Pettai village



Mr.G.Vasan (Site Head) & Shri. Sudharsanam (MLA) Inaugurated New Drinking RO Plant Facility 2000 ltr/hr in Kanniyamman Pettai Village & Andarakuppam village with a cost of 20.65 Lacs donated by Natco Pharma Ltd.



Furniture Provision To Students Government Middle School, Andarkuppam



Sanitary Waste Incinerators & Drinking Ro Plant Government Middle School, Andarkuppam



**Drinking RO Plant To GOVERNMENT PRIMARY HEALTH CENTER MANALI NEW TOWN
& Donated 2 Lacs Of Chloroquine Phosphate Tablets To TNMSC**

Environment, Health & Safety (EHS) Policy

We at **NATCO PHARMA LIMITED – Chemical Division**, as a manufacturer and supplier of Active Pharmaceutical Ingredients & Intermediates recognize Environment, Health and Safety as an integral part of our overall business philosophy.

By implementation of Integrated Environmental, Health and Safety management systems, we are committed to:

- Comply with all applicable **legal & other compliance obligations**.
- Achieve sustainable growth through **Protection of environment**, promoting **pollution prevention** practices and conserving resources with eco friendly & eco efficient processes.
- **Continually improve** the effectiveness of the Integrated Management System to constantly meet the **requirements of our customers, suppliers, employees and other interested parties**.
- Create an **injury free and healthy workplace** by eliminating or reducing hazards and at-risk behaviors by control of OH&S risks using the **hierarchy of controls** and promote wellness
- **Communicate the policy** to all employees, contractors working in our organization and visitors visiting our organization.
- Implement **collective decision making** process in management system improvement activities

Date: 22.05.2017

Rev: 05

A handwritten signature in black ink, appearing to be "S. K. S. S.", written over a horizontal line.

Chairman and Managing Director



சுற்றுப்புறச் சூழல், சுகாதாரம் மற்றும் பாதுகாப்புக் கொள்கை

நாட்கோ ஃபார்மா லிமிடெட் - இரசாயனப் பிரிவு, இத்தொழிற்சாலை உயிர்காக்கும் மருந்துகளுக்கான முக்கிய உட்பொருட்கள் மற்றும் இடைநிலைப் பொருட்களைத் தயாரிக்கும் நிறுவனமாக செயல்படுவதால், சுற்றுச்சூழல், சுகாதாரம் மற்றும் பாதுகாப்பு ஆகியவற்றை முக்கிய கோட்பாடுகளாக அங்கீகரிக்கிறது.

சுற்றுச்சூழல், சுகாதாரம் மற்றும் பாதுகாப்பு மேலாண்மை திட்டங்களை செயல்படுத்துவதன் மூலமாக பின்வரும் மேம்பாட்டுக்கான பொறுப்புக்களை சிறப்புடன் செயல்படுத்த நிறுவனம் தன்னை அர்ப்பணிக்கிறது.

- தொழிற்சாலை சம்பந்தப்பட்ட சட்டங்கள், விதிமுறைகள் மற்றும் இதர ஒழுங்கு முறைகளைக் கடைப்பிடித்தல்,
- சுற்றுச்சூழல் பாதுகாப்பு, மாசு தடுப்பு செயல்முறைகள் மற்றும் இயற்கை ஆதாரங்களை வீணாக்காமல் கட்டுப்பாட்டுடன் உபயோகிப்பது போன்ற இயற்கைக்கு சாதகமான செயல்முறைகள் மூலம் தொடர் வளர்ச்சி அடைதல்,
- வாடிக்கையாளர்கள், நிறுவன செயல்பாட்டுக்கு தேவையான பொருட்களைப் பெற்றுத்தருபவர்கள், மற்றும் நிறுவன செயல்பாட்டின் இணை நோக்குடையவர்களுடைய தேவைகளை சந்திப்பதின் மூலம் சுற்றுச்சூழல் மற்றும் பாதுகாப்பு மேலாண்மை திட்டம் செயல்பாட்டில் தொடர் முன்னேற்றம் அடைதல்
- தொழிற்சாலை பணியிடத்தில் ஆபத்துக்கான காரணிகளைக் கண்டறிந்து அவற்றைத் தவிர்த்தும், குறைத்தும், ஆபத்துக்கான காரணிகளை வரிசைமுறை கட்டுப்பாட்டுக் கோட்பாடுகளைக் கடைப்பிடித்து காயமின்றி பணிசெய்யும் பாதுகாப்பான மற்றும் சுகாதாரமான பணியிடத்தை உருவாக்கி நலம் பெருக்குதல்,
- நிறுவன பணியாளர்கள், ஒப்பந்தக்காரர்கள் மற்றும் பார்வையாளர்கள் யாவருக்கும் சுற்றுச்சூழல், சுகாதாரம் மற்றும் பாதுகாப்புக் கொள்கைகளை அறியத்தருவது,
- நிறுவனத்தில் உள்ள அனைத்து நபர்களின் ஒருங்கிணைந்த செயல்பாட்டு முறையில் சுற்றுச்சூழல், சுகாதாரம் மற்றும் பாதுகாப்பு மேம்பாட்டுத் திட்டங்களைச் செயல்படுத்துவது.

Date: 22.05.2017

Rev: 05

Chairman and Managing Director

Environmental Management Plan

The company has a full- fledged environmental management cell (EMC) reporting directly to EHS Manager for environmental monitoring and control. The EMC team takes care of pollution monitoring aspects and implementation of control measures.

A group of qualified and efficient engineers with technicians is deputed for maintenance, up keeping and monitoring the pollution control equipment, to keep them in working at the best of their efficiencies. For effective and consistent functioning of the plant, the EMS at the site will be strengthened further with the following: Environmental management cell covering EHS (Environment, Health & Safety) team

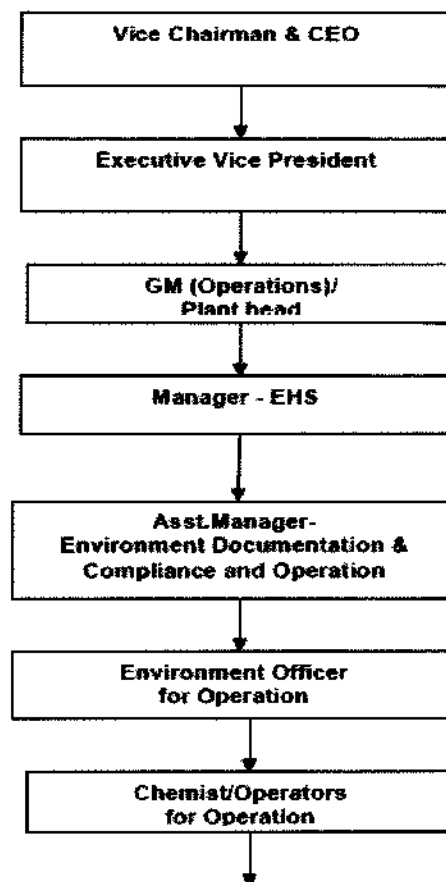
- Environmental Monitoring
- Regular Environmental Audits and Corrective Action Plan
- Documentation – Standard operating procedures, Environmental Management plans and other records

Environmental Management Cell Responsibilities

It is necessary to have a permanent organizational set up charged with the task of ensuring its effective implementation of mitigation measures and to conduct environmental monitoring. The major duties and responsibilities of Environmental Management Cell will be as under:

- To implement the environmental management plan (EMP)
- To Ensure regulatory compliance with all relevant rules and regulations
- To ensure regular operation and maintenance of pollution control devices
- To minimize environmental impacts of operations by strict adherence to the EMP
- To initiate environmental monitoring as per approved schedule
- Review and interpretation of monitored results and corrective measures with reference to prescribed standards
- Maintain documentation of good environmental practices and applicable environmental laws for ready reference.
- Maintain environment related records.
- Coordination with regulatory agencies, external consultants, monitoring laboratories.
- Organizing meetings of the Environmental Management Committee and reporting to the committee

To improve the capacity building of the Environment Department, as a part of the management hierarchy a separate division has been created under the General Manager(O)- Operations in the form of Manager- Environment, Health & Safety (EHS) who is assisted by Assistant Manager, Officer, Supervisors /Chemists, Operators and Indirect/contract workers. One of the Assistant Managers will be for Documentation, procedures & Compliances and also heading the operations assisted by officers, operators & helpers. The Organizational Structure of Environmental Health and Safety is presented in below chart.



The Organizational Structure of Environmental Health and The Environment Manager, Occupational health & safety (OHS) are fully responsible for the OHS aspects of the employees, workers and will be assisted by Assistant Manager who monitor the on-site & off-site emergency teams and assisted by the Officer. Any non-compliance/violations witnessed by any employee in the organization can directly communicate the same to the Manager-EHS, who will assess the serious and not so serious violations /non-compliances and will communicate to the Plant Head.

Any non-compliances/violations of serious nature will be addressed by the Plant head to Executive Vice-President and Executive Vice-President shall consult with the directly involved officials and will report to the Board of Directors of the company. The primary focus is to comply with the regulations and work out on action taken report to be placed before the Board of Directors. Similarly a preventive action for non-recurrence of such violations/non- compliances will also be worked out and strict monitoring will be done by the Management for implementation of the same for compliances of OHS norms.

Environmental Monitoring and Reporting Procedure

Monitoring may take the form of direct measurement and recording of quantitative information, such as concentrations of discharges, emissions and wastes, for measurement against corporate or statutory standards, consent limits or targets. It may also require measurement of ambient environmental quality in the vicinity of a site using ecological/biological, physical and chemical indicators. Monitoring may include socio- economic interaction, through local liaison activities or even assessment of complaints. Monitoring will also be required to meet compliance with statutory and corporate requirements. Finally, monitoring results will provide the basis for auditing.

Objectives of Monitoring

The objectives of environmental post-project monitoring are to:

- Verify effectiveness of planning decisions
- Measure effectiveness of operational procedures
- Confirm statutory and corporate compliance and
- Identify unexpected changes.

Monitoring Schedule for Construction and Operation Phases

Environmental monitoring schedules are prepared covering various phases of project advancement, such as construction and operation phases.

Construction Phase

The proposed expansion project envisages setting up of additional buildings and machinery, establishment of production and chemical/solvent storage facilities. The construction activities are expected to last for about one year. As there are no major construction activities for the plant, simple and generic environmental monitoring measures that need to be undertaken during project construction stage are given in **below table**.

Environmental Monitoring during Construction Stage

Sl. No.	Potential Impact	Action Plan	Parameters for Monitoring	Frequency of Monitoring	Current Status (Sep.2022)
1	Air Emissions	All equipment's are operated within specified design parameters	Random checks of equipment logs manuals	Monthly	Complies
		Vehicle trips to be minimized to the extent possible	Vehicle logs	Monthly, during site clearance & construction activities	Complies
		Any dry, dusty materials stored in sealed containers or prevented from blowing	Absence of stockpiles or open containers of dusty materials.	Monthly during construction activities	Complies
		Ambient air quality within the plant premises of the unit to be monitored	Ambient air quality will conform to the standards for NAAQ parameters and VOC	As per CPCB/ SPCB requirement or on monthly basis	Complies Ambient air quality within the plant premises of the unit monitored through Mobile Van
2	Noise levels	Acoustic mufflers / enclosures to be provided in large engines	Mufflers/ enclosures will be in place	Periodic during construction activities	Complies.
		Noise to be monitored in ambient air within the plant premises.	Ambient air quality will conform to the standards for NAAQ parameters	As per CPCB/ SPCB requirement or on monthly basis	Noise monitored in ambient air within the plant premises by NABL Lab.
3	Wastewater Discharge	No untreated discharge	Discharge hoses will be connected to Collection of ETP	Periodic during construction activities	Plant operating with ZLD.
Sl. No.	Potential Impact	Action Plan	Parameters for Monitoring	Frequency of Monitoring	Current Status (Sep.2022)

4	Waste Management	Implement waste management plan that identifies and characterizes every waste arising associated with proposed construction activities and which identifies the procedures for collection, handling & disposal of each waste arising.	Follow as per waste management plan	Periodic check during construction activities	Complies.
5	Soil Erosion	Minimize area extent of construction site by staying within the defined boundaries	Construction site boundaries not extended / breached as per planned document.	Periodic during construction activities	Complies.
6	Non-routine events and accidental releases	Plan to be drawn up, considering likely emergencies and steps required to prevent/limit consequences.	Mock drills and records of the same	Periodic during construction activities	Mock Drills are conducted for every 6 months once.
7	Flora and fauna	Vegetation development as per CPCB guidelines	No. of plants, species	During site clearance and as applicable	<p>Complies Construction activities yet to be started</p> <p>Unit has developed 49325 Sq.mts (46.66 %) of green belt. Additional 150 trees developed in private land in about 9190sqm land which is adjacent to our entrance from Minjur highway road. Nearly 300 No's of conocarpas trees were planted in the company boundaries.</p>

Environmental Monitoring Plan during Operation Phase

Sl. No.	Potential Impact	Action to be Followed	Parameters for Monitoring	Frequency of Monitoring
1.	Air Emissions	Stack emissions from process stacks to be optimized and monitored	Gaseous emissions (HCl, SO ₂ , CO ₂ , NH ₃ , Cl ₂ , and as applicable)	Complies – Will be done after getting CTO expansion. Existing plant gaseous emission monitoring done by NABL Lab periodically.
		Stack emissions from Boiler, and DG sets to be monitored	Gaseous emissions (PM, SO ₂ , HC, NO _x)	Complies – Will be done after getting CTO expansion. Existing plant Stack emission monitoring done by NABL Lab periodically.
		Stack emissions from Incinerator	As per PCB / CPCB	Incinerator not in operation
		Ambient air quality within the plant premises of the proposed expansion unit and nearby habitations to be monitored. Exhaust from vehicles to be minimized by use of fuel efficient vehicles and well maintained vehicles having PUC certificate.	Ambient air quality will conform to the standards for NAAQ parameters (MoEF circular dated 16-11-2009) and HCl, Cl ₂ and HC Vehicle logs to be maintained	Complies – Will be done after getting CTO expansion. Existing plant AAQ monitoring done by NABL Lab periodically. Vehicle logs being maintained
		Measuring onsite data of Meteorology	Wind speed, direction, temperature, relative humidity and rainfall.	Complies Continuous monitoring using auto weather station during operation phase
		Vehicle trips to be minimized to the extent possible	Vehicle logs	Complies. Daily records- Vehicle logs being maintained

Sl. No.	Potential Impact	Action to be Followed	Parameters for Monitoring	Frequency of Monitoring
2.	Noise Levels	Noise generated from operation of boiler/cooling towers to be optimized and monitored (3 locations within plant and 2 locations outside plant)	Spot Noise Level recording; Leq(night), Leq(day), Leq(dn)	Complies – Will be done after getting CTO expansion. Existing plant Noise monitoring done by NABL Lab periodically.
		Noise generated from operation of DG sets to be optimized and monitored		
		Generation of vehicular noise	Maintain records of vehicles	Daily records- Vehicle logs being maintained
3.	Wastewater Discharge	Segregated effluent Stream wise (3 streams)	ETP performance will be monitored for raw and treated effluent characteristics for reuse of treated effluent. Basic parameters like pH, TSS, TDS, COD, Oil & grease	Complies – Will be done after getting CTO expansion. Existing plant ETP performance monitored Daily with internal lab and monthly from authorized lab.
		In-house ETP treated Effluents reuse in Cooling Towers	pH, TDS, COD and Temperature etc.	Complies – Existing plant In-house ETP treated Effluents reused for Cooling Towers
4.	Drainage and effluent Management	Ensure closed drainage system connecting to ETP collection tanks and specific design measures are working effectively.	Visual inspection of drainage and records thereof	Complies- Being followed
5.	Water Quality	Groundwater quality surrounding plant site	Comprehensive monitoring as per BIS 10500-2012.	Complies- Being followed
6.	Work zone air quality	Contaminants such as VOCs to be reduced by providing adequate ventilation	Indoor monitoring of VOCs.	Complies- Being followed

Sl. No.	Potential Impact	Action to be Followed	Parameters for Monitoring	Frequency of Monitoring
7.	Hazardous / Solid Waste Management	Implement waste management plan that identifies and characterizes every waste arising associated with proposed activities and which identifies the procedures for collection, handling & disposal of each waste arising.	Records of solid waste generation, storage and disposal	Complies- Being followed
8.	Occupational Health	<p>Employees and migrant labour health check-up</p> <ul style="list-style-type: none"> • Comprehensive Pre-employment medical checkup for all employees. • Medical examination will be done for all the employees once in a year. • Tie up with local hospitals and Govt. health monitoring system will be engaged during emergency. • Dispensary and ESI facility will be provided to all workers as applicable • All safety gears will be provided to workers and care will be taken by Environmental Management Cell (EMC) that these are used properly by them. All safety norms will be followed. 	All relevant parameters including HIV	Once in a Year

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
10000344851-MSC-RvA-IND

Initial certification date:
06 February 2018

Valid:
06 February 2021 – 05 February 2024

This is to certify that the management system of

NATCO Pharma Limited

No. 74/7B, Vaikkadu, TPP Salai, Manali, Chennai - 600103, Tamil Nadu, India

has been found to conform to the Occupational Health and Safety Management System standard:
ISO 45001:2018

This certificate is valid for the following scope:

Manufacturing active pharmaceutical ingredients & intermediates

Place and date:
Barendrecht, 31 May 2021

For the issuing office:
DNV - Business Assurance
Zwolsseweg 1, 2994 LB Barendrecht, Netherlands



Eerie Koek
Management Representative

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
253287-2018-AE-IND-RvA

Initial certification date:
06 February 2018

Valid:
06 February 2021 – 05 February 2024

This is to certify that the management system of

NATCO Pharma Limited

No. 74/7B, Vaikkadu, TPP Salai, Manali, Chennai - 600103, Tamil Nadu, India

has been found to conform to the Environmental Management System standard:

ISO 14001:2015

This certificate is valid for the following scope:

Manufacturing active pharmaceutical ingredients & intermediates

Place and date:
Chennai, 31 May 2021

For the issuing office:
DNV - Business Assurance
ROMA, No. 10, GST Road, Alandur, Chennai - 600 016,
India



Sivadasan Madiyath
Management Representative

Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,
Guindy, Chennai - 600 032.
Ph: 42985555 / 43635555 Fax : 42985500
E-mail : labsales@hecs.in

Laboratory Services Division

(Chemical & Biological Testing)
FSSAI Notified Laboratory
ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. NATCO Pharma Limited.,
Address of the Client : Chemical Division, No.74/7B, Vaikkadu TPP Salai,
Vaikkadu, Manali, Chennai - 600 103.
Report No. : HECSL/AA/13/010822
Report Date : 06/08/2022
Sample Description : Ambient Air Quality
Sampling Location : On Top Of Platform Adjacent to Solvent Storage Yard
Sample Drawn By : Hubert Enviro Care Systems (P) Ltd
Sampling/received Date : 01/08/2022 -01/08/2022
Analysis Commenced On : 01/08/2022
Completed On :05/08/2022

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	9.81	CPCB guide lines Volume 1:2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	19.93	IS: 5182 (Part - 6):2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 μm	$\mu\text{g}/\text{m}^3$	48.13	IS: 5182 (Part - 23):2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	$\mu\text{g}/\text{m}^3$	22.58	IS: 5182 (Part - 24):2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m^3	BLQ(LOQ 0.05)	IS : 5182 (Part - 10) 1999	4 (1 hours)	2 (8 hours)
6	Lead	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	IS: 5182 (Part - 22): 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	$\mu\text{g}/\text{m}^3$	10.02	HECS/AIR/AMBIENT/SOP/007 :2013	180 (1 hours)	100 (8 hours)
8	Ammonia	$\mu\text{g}/\text{m}^3$	5.17	HECS/AIR/AMBIENT/SOP/006 :2013	400 (24 hours)	100 (Annual)
9	Benzene	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 1)	IS: 5182 (Part - 11):2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m^3	BLQ(LOQ 1)	IS: 5182 (Part - 12): 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m^3	BLQ(LOQ 2)	HECS/AIR/AMBIENT/009:2013	6 (Annual)	6 (Annual)
12	Nickel	ng/m^3	BLQ(LOQ 10)	HECS/AIR/AMBIENT/009:2013	20 (Annual)	20 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, $\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter, mg/m^3 - Milligrams per cubic meter, ng/m^3 - Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

End of Report



M. Sivaprakasam
Authorized Signatory

SIVAPRAKASAM. M
Lab Manager

Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,
Guindy, Chennai - 600 032.
Ph: 42985555 / 43635555 Fax : 42985500
E-mail : labsales@hecs.in

Laboratory Services Division

(Chemical & Biological Testing)
FSSAI Notified Laboratory
ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. NATCO Pharma Limited.,
Address of the Client : Chemical Division, No.74/7B, Vaikkadu TPP Salai,
Vaikkadu, Manali, Chennai - 600 103.
Report No. : HECSL/AA/14/010822
Report Date : 06/08/2022

Sample Description : Ambient Air Quality
Sampling Location : On Top Of Platform near RO Pump Room
Sample Drawn By : Hubert Enviro Care Systems (P) Ltd
Sampling/received Date : 01/08/2022 -01/08/2022
Analysis Commenced On : 01/08/2022
Completed On :05/08/2022

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	11.83	CPCB guide lines Volume 1:2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	20.69	IS: 5182 (Part - 6):2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 μm	$\mu\text{g}/\text{m}^3$	51.69	IS: 5182 (Part - 23):2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	$\mu\text{g}/\text{m}^3$	22.95	IS: 5182 (Part - 24):2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m^3	BLQ(LOQ 0.05)	IS : 5182 (Part - 10) 1999	4 (1 hours)	2 (8 hours)
6	Lead	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	IS: 5182 (Part - 22): 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	$\mu\text{g}/\text{m}^3$	11.12	HECS/AIR/AMBIENT/SOP/007 :2013	180 (1 hours)	100 (8 hours)
8	Ammonia	$\mu\text{g}/\text{m}^3$	6.65	HECS/AIR/AMBIENT/SOP/006 :2013	400 (24 hours)	100 (Annual)
9	Benzene	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 1)	IS: 5182 (Part - 11):2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m^3	BLQ(LOQ 1)	IS: 5182 (Part - 12): 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m^3	BLQ(LOQ 2)	HECS/AIR/AMBIENT/009:2013	6 (Annual)	6 (Annual)
12	Nickel	ng/m^3	BLQ(LOQ 10)	HECS/AIR/AMBIENT/009:2013	20 (Annual)	20 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, $\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter, mg/m^3 - Milligrams per cubic meter, ng/m^3 - Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

End of Report



Authorized Signatory

SIVAPRAKASAM. M
Lab Manager

1. The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization. 2. Samples are not drawn by HECS unless or otherwise mentioned. 3. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report. 4. Under no circumstances lab accepts any liability or loss / damage caused by use or misuse of test report after invoicing or issue of test report. 5. The test results relate only to the test items.

HECS-G/Q/FMT/49

Hubert Enviro Care Systems (P) Ltd.

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Laboratory Services Division

(Chemical & Biological Testing)
FSSAI Notified Laboratory
ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Name of the Client : M/s. NATCO Pharma Limited.,
Address of the Client : Chemical Division, No.74/7B, Vaikkadu TPP Salai,
Vaikkadu, Manali, Chennai - 600 103.

Page : 1 of 1
Report No. : HECSL/AA/15/010822
Report Date : 06/08/2022

Sample Description : Ambient Air Quality
Sampling Location : On Top Of Platform near QC lab
Sample Drawn By : Hubert Enviro Care Systems (P) Ltd
Sampling/received Date : 01/08/2022 - 01/08/2022
Analysis Commenced On : 01/08/2022

Completed On : 05/08/2022

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	9.81	CPCB guide lines Volume 1:2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	17.69	IS: 5182 (Part - 6):2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 μm	$\mu\text{g}/\text{m}^3$	49.67	IS: 5182 (Part - 23):2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	$\mu\text{g}/\text{m}^3$	16.47	IS: 5182 (Part - 24):2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m^3	BLQ(LOQ 0.05)	IS : 5182 (Part - 10) 1999	4 (1 hours)	2 (8 hours)
6	Lead	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	IS: 5182 (Part - 22): 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	$\mu\text{g}/\text{m}^3$	10.67	HECS/AIR/AMBIENT/SOP/007 :2013	180 (1 hours)	100 (8 hours)
8	Ammonia	$\mu\text{g}/\text{m}^3$	6.39	HECS/AIR/AMBIENT/SOP/006 :2013	400 (24 hours)	100 (Annual)
9	Benzene	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 1)	IS: 5182 (Part - 11):2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m^3	BLQ(LOQ 1)	IS: 5182 (Part - 12): 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m^3	BLQ(LOQ 2)	HECS/AIR/AMBIENT/009:2013	6 (Annual)	6 (Annual)
12	Nickel	ng/m^3	BLQ(LOQ 10)	HECS/AIR/AMBIENT/009:2013	20 (Annual)	20 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, $\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter, mg/m^3 - Milligrams per cubic meter, ng/m^3 - Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

End of Report



M. Sivaprasam
Authorized Signatory

SIVAPRASAM. M
Lab Manager

1. The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization. 2. Samples are not drawn by HECS unless or otherwise mentioned. 3. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report. 4. Under no circumstances lab accepts any liability or loss / damage caused by use or misuse of test report after invoicing or issue of test report. 5. The test results relate only to the test items.

HECS-G/Q/FMT/49

Hubert Enviro Care Systems (P) Ltd.

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. NATCO Pharma Limited.,
Address of the Client : Chemical Division, No.74/7B, Vaikkadu TPP Salai,
Vaikkadu, Manali, Chennai - 600 103.

Report No. : HECSL/AA/16/010822
Report Date : 06/08/2022

Sample Description : Ambient Air Quality
Sampling Location : On Top Of Platform Adjacent to Security Booth (Near production Area)
Sample Drawn By : Hubert Enviro Care Systems (P) Ltd
Sampling/received Date : 01/08/2022 -01/08/2022
Analysis Commenced On : 01/08/2022

Completed On :05/08/2022

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	11.45	CPCB guide lines Volume 1:2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	21.23	IS: 5182 (Part - 6):2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than $10 \mu\text{m}$	$\mu\text{g}/\text{m}^3$	51.24	IS: 5182 (Part - 23):2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than $2.5 \mu\text{m}$	$\mu\text{g}/\text{m}^3$	25.70	IS: 5182 (Part - 24):2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m^3	BLQ(LOQ 0.05)	IS : 5182 (Part - 10) 1999	4 (1 hours)	2 (8 hours)
6	Lead	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	IS: 5182 (Part - 22): 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	$\mu\text{g}/\text{m}^3$	10.47	HECS/AIR/AMBIENT/SOP/007 :2013	180 (1 hours)	100 (8 hours)
8	Ammonia	$\mu\text{g}/\text{m}^3$	6.32	HECS/AIR/AMBIENT/SOP/006 :2013	400 (24 hours)	100 (Annual)
9	Benzene	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 1)	IS: 5182 (Part - 11):2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m^3	BLQ(LOQ 1)	IS: 5182 (Part - 12): 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m^3	BLQ(LOQ 2)	HECS/AIR/AMBIENT/009:2013	6 (Annual)	6 (Annual)
12	Nickel	ng/m^3	BLQ(LOQ 10)	HECS/AIR/AMBIENT/009:2013	20 (Annual)	20 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, $\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter, mg/m^3 - Milligrams per cubic meter, ng/m^3 - Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

End of Report



M. SIVAPRAKASAM
Authorized Signatory

SIVAPRAKASAM. M

Lab Manager

Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,
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E-mail : labsales@hecs.in

Laboratory Services Division

(Chemical & Biological Testing)
FSSAI Notified Laboratory
ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. NATCO Pharma Limited.,
Address of the Client : Chemical Division, No.74/7B, Vaikkadu TPP Salai,
Vaikkadu, Manali, Chennai - 600 103.
Report No. : HECSL/AA/17/010822
Report Date : 06/08/2022
Sample Description : Ambient Air Quality
Sampling Location : On Top Of Platform Near Hazardous Stores (Near ETP Plant)
Sample Drawn By : Hubert Enviro Care Systems (P) Ltd
Sampling/received Date : 01/08/2022 -01/08/2022
Analysis Commenced On : 01/08/2022
Completed On : 05/08/2022

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	11.14	CPCB guide lines Volume 1:2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	22.60	IS: 5182 (Part - 6):2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 μm	$\mu\text{g}/\text{m}^3$	50.98	IS: 5182 (Part - 23):2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	$\mu\text{g}/\text{m}^3$	22.08	IS: 5182 (Part - 24):2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m^3	BLQ(LOQ 0.05)	IS : 5182 (Part - 10) 1999	4 (1 hours)	2 (8 hours)
6	Lead	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	IS: 5182 (Part - 22): 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	$\mu\text{g}/\text{m}^3$	11.63	HECS/AIR/AMBIENT/SOP/007 :2013	180 (1 hours)	100 (8 hours)
8	Ammonia	$\mu\text{g}/\text{m}^3$	5.67	HECS/AIR/AMBIENT/SOP/006 :2013	400 (24 hours)	100 (Annual)
9	Benzene	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 1)	IS: 5182 (Part - 11):2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m^3	BLQ(LOQ 1)	IS: 5182 (Part - 12): 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m^3	BLQ(LOQ 2)	HECS/AIR/AMBIENT/009:2013	6 (Annual)	6 (Annual)
12	Nickel	ng/m^3	BLQ(LOQ 10)	HECS/AIR/AMBIENT/009:2013	20 (Annual)	20 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, $\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter, mg/m^3 - Milligrams per cubic meter, ng/m^3 - Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

End of Report



M. SIVAPRAKASAM
Authorized Signatory

SIVAPRAKASAM. M

Lab. Manager

Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,
Guindy, Chennai - 600 032.
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E-mail : labsales@hecs.in

Laboratory Services Division

(Chemical & Biological Testing)
FSSAI Notified Laboratory
ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. NATCO Pharma Limited.,
Address of the Client : Chemical Division, No.74/7B, Vaikkadu TPP Salai,
Vaikkadu, Manali, Chennai - 600 103.

Report No. : HECSL/AA/18/010822
Report Date : 06/08/2022

Sample Description : Ambient Air Quality
Sampling Location : On Top Of Platform near Main Gate
Sample Drawn By : Hubert Enviro Care Systems (P) Ltd
Sampling/received Date : 01/08/2022 -01/08/2022
Analysis Commenced On : 01/08/2022

Completed On :05/08/2022

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	7.34	CPCB guide lines Volume 1:2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	20.46	IS: 5182 (Part - 6):2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than $10\mu\text{m}$	$\mu\text{g}/\text{m}^3$	47.53	IS: 5182 (Part - 23):2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than $2.5\mu\text{m}$	$\mu\text{g}/\text{m}^3$	17.71	IS: 5182 (Part - 24):2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m^3	BLQ(LOQ 0.05)	IS : 5182 (Part - 10):1999	4 (1 hours)	2 (8 hours)
6	Lead	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	IS: 5182 (Part - 22): 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	$\mu\text{g}/\text{m}^3$	11.21	HECS/AIR/AMBIENT/SOP/007 :2013	180 (1 hours)	100 (8 hours)
8	Ammonia	$\mu\text{g}/\text{m}^3$	6.06	HECS/AIR/AMBIENT/SOP/006 :2013	400 (24 hours)	100 (Annual)
9	Benzene	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 1)	IS: 5182 (Part - 11):2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m^3	BLQ(LOQ 1)	IS: 5182 (Part - 12): 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m^3	BLQ(LOQ 2)	HECS/AIR/AMBIENT/009:2013	6 (Annual)	6 (Annual)
12	Nickel	ng/m^3	BLQ(LOQ 10)	HECS/AIR/AMBIENT/009:2013	20 (Annual)	20 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, $\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter, mg/m^3 - Milligrams per cubic meter, ng/m^3 - Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

End of Report



(Signature)
Authorized Signatory

SIVAPRAKASAM. M
Lab Manager

1. The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization 2. Samples are not drawn by HECS unless or otherwise mentioned 3. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report. 4. Under no circumstances lab accepts any liability or loss / damage caused by use or misuse of test report after invoicing or issue of test report. 5. The test results relate only to the test items.

HECS-G/Q/FMT/49

Hubert Enviro Care Systems (P) Ltd.

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Laboratory Services Division

(Chemical & Biological Testing)

FSSAI Notified Laboratory

ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. NATCO Pharma Limited.,
Address of the Client : Chemical Division, No.74/7B, Vaikkadu TPP Salai,
Vaikkadu, Manali, Chennai - 600 103.

Report No. : HECSL/ST/16/010822

Report Date : 06/08/2022

Sample Description : Stack Emission
Sample Mark : DG No. 302 - 1010KVA
Sample Drawn By : Hubert Enviro Care Systems (P) Ltd
Sampling/received Date : 01/08/2022 -01/08/2022
Analysis Commenced On : 01/08/2022

Completed On :05/08/2022

S.No.	Parameters	Units	Results	Test Method	CPCB Standards
1	Stack Height	meter	11.0	-	NA
2	Stack Diameter	meter	0.2	-	NA
3	Ambient Temperature	° C	34.0	IS 11255 (Part-3) 2008	NA
4	Temperature	° C	193.0	IS 11255 (Part-3)2008	NA
5	Velocity	m/sec	9.2	IS 11255 (Part-3) 2008	NA
6	Flow Rate	Nm ³ /hr	667.0	IS 11255 (Part-3) 2008	NA
7	Particulate Matter	mg/Nm ³	13.02	IS 11255 (Part-1) 1985	75
8	Sulphur Dioxide	mg/Nm ³	9.18	IS 11255 (Part-2) 1985	NA
9	Oxides of Nitrogen	ppmv	338.0	IS 11255 (Part-7) 2005	710
10	Carbon monoxide	mg/Nm ³	91.0	IS 13270 - 1992	150

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, Nm³/hr - Normal cubic meter per hour, mg/Nm³- Milligrams per Normal cubic meter, °C- Degree Celsius, %V/V - Percentage, ppmv- Parts per million by Volume, NA - Not Applicable.

Remarks :-Standards are given as per CPCB PCLS / 02/ 2010 Sixth Edition (Engine Rating more than 0.8 M W (800 KW);
The Tested Parameters are found within acceptable Limit.

End of Report



M. Sivaprakasam
Authorized Signatory
SIVAPRAKASAM. M
Lab Manager

Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,
Guindy, Chennai - 600 032.
Ph: 42985555 / 43635555 Fax : 42985500
E-mail : labsales@hecs.in

Laboratory Services Division

(Chemical & Biological Testing)
FSSAI Notified Laboratory
ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. NATCO Pharma Limited.,
Address of the Client : Chemical Division, No.74/7B, Vaikkadu TPP Salai,
Vaikkadu, Manali, Chennai - 600 103.

Report No. : HECSL/ST/17/010822
Report Date : 06/08/2022

Sample Description : Stack Emission
Sample Mark : Boiler
Sample Drawn By : Hubert Enviro Care Systems (P) Ltd
Sampling/received Date : 01/08/2022 - 01/08/2022
Analysis Commenced On : 01/08/2022

Completed On : 05/08/2022

S.No.	Parameters	Units	Results	Test Method	CPCB Standards
1	Stack Height	meter	40.0	-	NA
2	Stack Diameter	meter	0.6	-	NA
3	Ambient Temperature	° C	34.0	IS 11255 (Part-3) 2008	NA
4	Temperature	° C	151.0	IS 11255 (Part-3) 2008	NA
5	Flow Rate	Nm ³ /hr	5335.0	IS 11255 (Part-3) 2008	NA
6	Velocity	m/sec	7.5	IS 11255 (Part-3) 2008	NA
7	Particulate Matter	mg/Nm ³	55.50	IS 11255 (Part-1) 1985	CNTE150
8	Sulphur Dioxide	mg/Nm ³	428.0	IS 11255 (Part-2) 1985	NA
9	Oxides of Nitrogen	mg/Nm ³	65.0	IS 11255 (Part-7) 2005	NA
10	Carbon monoxide	%V/V	BLQ(LOQ 0.2)	IS 13270 - 1992	1% Max

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, Nm³/hr - Normal cubic meter per hour,
CNTE- Concentration not to Exceed, mg/Nm³- Milligrams per Normal cubic meter, % V/V - Percentage,
°C- Degree Celsius, NA - Not Applicable.

Remarks: The Tested Parameters as above are within the Limits of CPCB Stack Emission Standards.

End of Report



Authorized Signatory

SIVAPRAKASAM. M.

Lab Manager

Write-up for Greenbelt Development in site

The total extent of land available within the unit premises is 105704 Sq.meters, in that company has developed 49325 Sq.mtrs (**46.66 %**) of green belt. In that, Greenbelt has developed & maintained in 10285 Sq.mt in Open Space Reservation (OSR) Land. The Land area breakup details given in the below table & Photos attached for Green belt is OSR land & unit premises.

S. No.	Description	Land Area	
		(SQ.Meters)	(%)
1	Ground Coverage Area	26979.69	25.52
2	Solid Waste storage area	170	0.16
3	Green Belt Area	39040	46.66
4	Green belt in OSR Land	10285	
5	Road Area	19870	18.8
6	Vacant Area for Future Expansion	9359.32	8.85
Total Land Area		105704	100

Green Belt Photos



GPS Point	
Latitude	Longitude
13°11'12.71"N	80°15'59.47"E

Greenbelt in OSR Land



Nearly 300 Nos of trees were planted in the company boundaries.

We have planted 150 Nos of trees in private land in about 9190sqm land which is adjacent to our entrance from Minjur highway road



Nearly 1700 trees are planted with drip irrigation system by hiring an external service provider to improve the greenbelt area & plant survival rate



DECCAN CHRONICLE

State

PAGE
5

WEDNESDAY | 13 MARCH 2019 | CHENNAI

Public Notice

M/s. NATCO Pharma Limited, Chemical Division-Chennai R.S. Nos. 73/1A, 73/2, 74/7B, 78/1B, 79/1, 79/2B, 79/3, 79/4B, 79/5, 79/6A, 79/6B, 79/7, 80/1, 80/2, 80/3, 80/4, 84/1, 84/2, 84/3A, 84/5A, 84/6, 84/7A, 85/1, 85/2B, 86/2B, 86/2C, 86/2D2, 86/3B, 86/4, 86/5, 86/6, 86/7, 86/8 & 86/9 of Manali Industrial Area, Vaikkadu Village, Thiruvottiyur Taluk, Tiruvallur District, Tamil Nadu has been accorded Environmental Clearance (EC) dated 20-02-2019 for Proposed expansion of Active Pharmaceutical Ingredients (APIs) and its Intermediates manufacturing unit with R&D Facility by SEIAA, Tamil Nadu, Govt. of India, Ministry of Environment, Forests and Climate Change. Copy of EC is available with TNPCB.

By Management

★

தீனத்

DAILY



தந்தி

THANTHI

சென்னை (13-3-2019)
புதன்கிழமை

மலர் 77
இதழ் 131

வெல்க தமிழ்

விளம்பரி ஸ்ரீ மாசி மீ 29 உ
ஹிஜரி 1440 ரஜப் 5

பொது அறிவிப்பு

பொது அறிவிப்பு

மணலி தொழிற்பேட்டை, வயக்காடு கிராமம், திருவொற்றியூர் தாலுகா, திருவள்ளூர் மாவட்டம், தமிழ்நாட்டில் அமைந்துள்ள தேட்கோ பார்மா லிமிடெட் பெய்க்கல் யூனிடின் சென்னை, சர்வே எண் : 73/1A, 73/2, 74/7B, 78/1B, 79/1, 79/2B, 79/3, 79/4B, 79/5, 79/6A, 79/6B, 79/7, 80/1, 80/2, 80/3, 80/4, 84/1, 84/2, 84/3A, 84/5A, 84/6, 84/7A, 85/1, 85/2B, 86/2B, 86/2C, 86/2D2, 86/3B, 86/4, 86/5, 86/6, 86/7, 86/8 & 86/9 என்ற திருவனத்தின் மருந்து மூலப்பொருட்கள் தயாரிப்பு மற்றும் ஆராய்ச்சி மையம் விரிவாக்கத்திற்காக SEIAA தமிழ்நாடு, இந்திய அரசு, மத்திய சுற்றுச்சூழல், வனத்துறை & வானிலை மற்றும் அமைச்சகம் தடைபின்மை அளவிதழ் வழங்கி உள்ளது. மேற்படி அளவிதழின் நகல்கள் தமிழ்நாடு மாகாணப்பொது வாரியத்திடம் உள்ளது. இப்படிக்கு தீர்வாகம்



NATCO PHARMA LIMITED

Annexure - 11

Regd Off: 'NATCO HOUSE', Road No. 2, Banjara Hills, Hyderabad-500 034. Telangana, INDIA
Tel : +91 40 23547532, Fax : +91 40 23548243 CIN : L24230TG1981PLC003201, www.natcopharma.co.in.
GSTIN : 33AAACN6927A1ZW

Date: 12.04.2022
Chennai-Manali

To

The Joint Chief Environmental Engineer (M),
First Floor, 950/1, Poonamallee High Road,
Arumbakkam,
Chennai-600 106

Respected Sir,

SUB: Submission of Environmental Statement in Form-V – Reg.

Here with we have attached our **Environmental Statement in Form-V for the financial year 2021 -2022** to your good office for your kind perusal.

Attachments:

1. Environmental Statement in Form-V.
2. Annexure-I & II (Raw Material Details).
3. Annexure-III (Treated Effluent's ROA)
4. Annexure-IV (Stack Monitoring Survey ROA by TNPCB)
5. Annexure-V (Hazardous Wastes Analysis report by TNWML)



With regards,

G. Vasan
(AVP-Operations)



The RvA is a signatory to the IAF MLA

Manufacturing Site :
Chemical Division - Chennai.
(ISO 14001:2015 & ISO 45001:2018 Certified)
S.No. 74/7B, Vaikkadu TPP Salai, Manali, Chennai, Tamilnadu - 600 103.
Tel. : +91-7299009981/82/83/84



Pollutant Level (online) Display board at Main gate



**F. No. J-11011/456/2006-IA-II(I)**

Government of India
Ministry of Environment, Forest & Climate Change
Impact Assessment Division

Indira Paryavaran Bhavan,
Vayu Wing, 3rd Floor, Aliganj,
Jor Bagh Road, New Delhi-110 003

Dated: 20th July, 2020

To
M/s Natco Pharma Limited
Manali Industrial Area, Taluk Thiruvottiyur,
District **Thiruvallur** (Tamil Nadu)

Sub: Bulk Drug Manufacturing Unit at Manali Industrial Area, Taluk Thiruvottiyur, Thiruvallur, Tamil Nadu by M/s Natco Pharma Limited - Amendment in Environmental Clearance

Sir,

This refers to your online proposal No. IA/TN/IND2/146309/2020 dated 14th May, 2020 for amendment in the environmental clearance to the above project.

2. The Ministry of Environment, Forest and Climate Change has examined the above proposal for amendment in the environmental clearance granted by the Ministry vide letter dated 15th June, 2007 in favor of M/s NATCO Organics Ltd for bulk drug unit. Further, the SEIAA vide letter dated 20th February, 2019 has also granted EC in favour of M/s Natco Pharma Limited for Bulk Drugs (APIs) manufacturing Unit at Manali Industrial Area, Thiruvottiyur Taluk (formerly Vaikkadu, Ambattur Taluk) Thiruvallur District (Tamil Nadu).

3. The project proponent has requested for amendment in the EC with the details are as under:-

S. No.	Para of ToR	Details as per the EC	To be revised read as	Justification / reasons
1.	EC dated 15-06-2007 Specific condition No. 4A(v) of	"Use of toxic solvents like Methylene Chloride (M.C.) etc. shall be minimum and Benzene shall be replaced with alternate solvents. All venting equipment shall have vapour recovery system. Methylene Chloride shall be phased out in a time bound	Amendment is for relaxation in usage of MDC & Chloroform in manufacturing Oncology products as per the specific condition No. 4A(v) in EC vide F.No. J-11011/456/06/2006-IA-II(I) dated 15-06-2007.	Replacing solvents like MDC and Chloroform with other solvents is leading to formation of new impurities in most of the cases contributing to generation of waste on higher levels. Also the product viability is drastically reduced and affecting the

		manner. A report shall be submitted to the Ministry after 2 year on the status of replacement of Methylene Chloride and Chloroform Solvent"	overall yields. Hence we request you to kindly allow the usage of MDC and Chloroform.
2.	EC dated 20-02-2019 Page No. 33 of 33: Annexure-01 of Proposed Products No. 40 and 41	Proposing to drop 2 products S.No. 40. Sertaline HCl-6TPA & S.No. 41. Sumatriptan Succinate-3TPA	Dropping 2 products from total 42 products i.e. Maximum 16 products from total 40 products
			Due to high usage of MDC and Chloroform.

4. The proposal was considered by the Expert Appraisal Committee (Industry-2) in the Ministry in its meeting held on 15-17 June, 2020. The EAC, after detailed deliberations, **recommended** the amendment in EC dated 15th June, 2007 and 20th February, 2019 as proposed by the project proponent mentioned in the above table.

5. Based on recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords approval to the proposed amendment in the environmental clearance dated 15th June, 2007 and 20th February, 2019, **as stated in para 3 above**, to the project for 'Bulk Drugs (APIs) manufacturing Unit at Manali Industrial Area, Thiruvottiyur Taluk (formerly Vaikkadu, Ambattur Taluk) Thiruvallur District (Tamilnadu)'.

6. All other terms and conditions stipulated in the environmental clearance dated 15th June, 2007 and 20th February, 2019 shall remain unchanged.

(डा. आर. बी. लाल)
(Dr. R. B. LAL)
वैज्ञानिक 'ई' / Scientist 'E'
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Min. of Environment and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi
(Dr. R. B. Lal)
Scientist 'E' / Additional Director

Copy to: -

1. The Principal Secretary, Department of Environment, Ground Floor, Panagal Buildings 1, Jeenis Road, Saidapet, Chennai - 600 015.
2. The APCCF(C), MoEF&CC, Regional Office (SEZ), 1st and 2nd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, **Chennai-34**
3. Member Secretary, Tamil Nadu Pollution Control Board, 76, Anna Salai, Guindy Industrial Estate, Race View Colony, Guindy, **Chennai - 32 (Tamil Nadu)**
4. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor bagh Road, **New Delhi**
5. Parivesh Portal

(Dr. R. B. Lal)
Scientist 'E' / Additional Director



NATCO PHARMA LIMITED

Annexure - B

Regd Off: 'NATCO HOUSE', Road No. 2, Banjara Hills, Hyderabad-500 034, Telangana, INDIA
Tel : +91 40 23547532, Fax : +91 40 23548243 CIN : L24230TG1981PLC003201, www.natcopharma.co.in.
GSTIN : 33AAACN6927A1ZW

24.08.2020

Chennai-Manali

To

The Chairman
SEIAA- Tamilnadu,
Third floor, Panagal Maligai
No.1, Jeenis Road, Saidapet
Chennai – 600 015

Respected Sir,

SUB : Communication regarding EC amendment

Ref.: Environmental Clearance vide Lr.No.SEIAA/TN/F.5869/5(f)/EC-67/2019 dated:20.02.2019

We have obtained Environmental Clearance (EC) from MoEF & CC, New Delhi for our New project (Lr.No.J.11011/456/06/2006-IA-II (I) Dated: 15.06.2007) in the year 2007. Subsequently we have applied EC for our expansion activity with SEIAA and obtained EC from SEIAA-TN in the year 2019 (Lr.No.SEIAA/TN/F.5869/5 (f)/EC-67/2019 dated: 20.02.2019).

During the EC process with SEIAA, committee has directed to produce an affidavit against the compliance to a specific condition no 4A (v) *"Use of toxic solvents like Methylene Chloride (M.C.) etc. shall be minimum and Benzene shall be replaced with alternate solvents. All venting equipment shall have vapour recovery system. Methylene Chloride shall be phased out in a time bound manner. A report shall be submitted to the Ministry after 2 year on the status of replacement of Methylene Chloride and Chloroform Solvent"*

M/s Natco submitted an Affidavit mentioned with "we commit we are replacing the MDC & Chloroform with the alternate solvents for the existing and the proposed products and thus will not use MDC & Chloroform in the existing and proposed products. In case if the yield, Quality and Stability of the final Product is not as per the limits and regulatory specifications, we shall approach MOEF (Ministry of Environment & Forest) for the relaxation of Specific Condition v. as accorded in the Environmental Clearance F.No. J-11011/456/2006/IA-II (I) dated 15th June 2007 which will be done prior to obtaining CTO Expansion from TNPCB " for obtaining EC for the Expansion activity.

Since the Organization has faced issue to get the Quality to meet the Regulatory specification on using alternate solvent, the Organization has approached MOEF (Ministry of Environment & Forest) for the exemption of the Specific Condition 4A (v) mentioned in the Original Environmental Clearance F.No. J-11011/456/2006/IA-II (I) dated 15th June 2007 & condition given in EC for expansion (Lr.No.SEIAA/TN/F.5869/5 (f)/EC-67/2019 dated: 20.02.2019).



Manufacturing Site :

Chemical Division - Chennai.

(ISO 9001:2015 and OHSAS 18001:2007 Certified)

74/7B, Akkadu TPP Salai, Manali, Chennai, Tamilnadu - 600 103.

Tel. : +91-7299009981/82/83/84





NATCO PHARMA LIMITED

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Tel : +91 40 23547532, Fax : +91 40 23548243 CIN : L24230TG1981PLC003201, www.natcopharma.co.in,
GSTIN : 33AAACN6927A1ZW

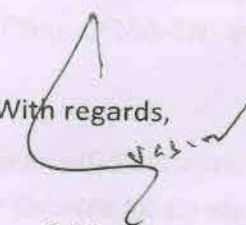
On detailed discussion, the EAC committee (Industry-2) considered Natco's proposal for the relaxation of using MDC and Chloroform and further MoEF, New Delhi amended the Environmental Clearance vide **F.No.J-11011/456/2006 -IA -II (I) dated: 20.07.2020** for the use of MDC & Chloroform for the production and dropping 2 products (Sertaline HCl- 6TPA & Sumatriptan Succinate - 3TPA) from total 42 products due to high usage of MDC and Chloroform and the same is attached here for your consideration

We request your good office to acknowledge this letter for our records.

Enclosures:

1. Copy of Environmental Clearance vide Lr.No.J.11011/456/06/2006-IA-II (I) Dated: 15.06.2007
2. Copy of Environmental Clearance vide Lr.No.SEIAA/TN/F.5869/5(f)/EC-67/2019 dated:20.02.2019
3. Copy of Amended EC vide F.No.J-11011/456/2006 -IA -II (I) dated:20.07.2020

With regards,


G. Vasanth
(Sr.GM-Operations)



The RVA is a signatory to the IAF MLA

Manufacturing Site :
Chemical Division - Chennai.
(ISO 14001:2015 and OHSAS 18001:2007 Certified)
S.No. 74/7B, Vaikkadu TPP Salai, Manali, Chennai, Tamilnadu - 600 103.
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NATCO PHARMA LIMITED

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GSTIN : 33AAACN6927A1ZW

24.08.2020
Chennai-Manali

To

The Honourable Chairman
Tamil Nadu Pollution Control Board,
No.76, Mount Salai
Guindy, Chennai - 600 032.

Respected Sir,

SUB : Communication regarding EC amendment

Ref.: Environmental Clearance vide Lr.No.SEIAA/TN/F.5869/5(f)/EC-67/2019 dated:20.02.2019

We have obtained Environmental Clearance (EC) from MoEF & CC, New Delhi for our New project (Lr.No.J.11011/456/06/2006-IA-II (I) Dated: 15.06.2007) in the year 2007. Subsequently we have applied EC for our expansion activity with SEIAA and obtained EC from SEIAA-TN in the year 2019 (Lr.No.SEIAA/TN/F.5869/5 (f)/EC-67/2019 dated: 20.02.2019).

During the EC process with SEIAA, committee has directed to produce an affidavit against the compliance to a specific condition no 4A (v) *"Use of toxic solvents like Methylene Chloride (M.C.) etc. shall be minimum and Benzene shall be replaced with alternate solvents. All venting equipment shall have vapour recovery system. Methylene Chloride shall be phased out in a time bound manner. A report shall be submitted to the Ministry after 2 year on the status of replacement of Methylene Chloride and Chloroform Solvent"*

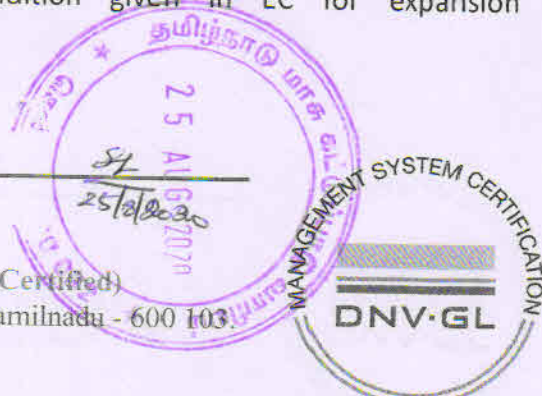
M/s Natco submitted an Affidavit mentioned with "we commit we are replacing the MDC & Chloroform with the alternate solvents for the existing and the proposed products and thus will not use MDC & Chloroform in the existing and proposed products. In case if the yield, Quality and Stability of the final Product is not as per the limits and regulatory specifications, we shall approach MOEF (Ministry of Environment & Forest) for the relaxation of Specific Condition v. as accorded in the Environmental Clearance F.No. J-11011/456/2006/IA-II (I) dated 15th June 2007 which will be done prior to obtaining CTO Expansion from TNPCB " for obtaining EC for the Expansion activity.

Since the Organization has faced issue to get the Quality to meet the Regulatory specification on using alternate solvent, the Organization has approached MOEF (Ministry of Environment & Forest) for the exemption of the Specific Condition 4A (v) mentioned in the Original Environmental Clearance F.No. J-11011/456/2006/IA-II (I) dated 15th June 2007 & condition given in EC for expansion (Lr.No.SEIAA/TN/F.5869/5 (f)/EC-67/2019 dated: 20.02.2019).



MGMT. SYS.
RvA C 824
The RvA is a signatory to the IAF MLA

Manufacturing Site :
Chemical Division - Chennai.
(ISO 14001:2015 and OHSAS 18001:2007 Certified)
S.No. 74/7B, Vaikkadu TPP Salai, Manali, Chennai, Tamilnadu - 600 103.
Tel. : +91-7299009981/82/83/84





NATCO PHARMA LIMITED

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Tel : +91 40 23547532, Fax : +91 40 23548243 CIN : L24230TG1981PLC003201, www.natcopharma.co.in.
GSTIN : 33AAACN6927A1ZW

On detailed discussion, the EAC committee (Industry-2) considered Natco's proposal for the relaxation of using MDC and Chloroform and further MoEF, New Delhi amended the Environmental Clearance vide F.No.J-11011/456/2006 -IA -II (I) dated: 20.07.2020 for the use of MDC & Chloroform for the production and dropping 2 products (Sertaline HCl- 6TPA & Sumatriptan Succinate - 3TPA) from total 42 products due to high usage of MDC and Chloroform and the same is attached here for your consideration

We request your good office to acknowledge this letter for our records.

Enclosures:

1. Copy of Environmental Clearance vide Lr.No.J.11011/456/06/2006-IA-II (I) Dated: 15.06.2007
2. Copy of Environmental Clearance vide Lr.No.SEIAA/TN/F.5869/5(f)/EC-67/2019 dated:20.02.2019
3. Copy of Amended EC vide F.No.J-11011/456/2006 -IA -II (I) dated:20.07.2020

With regards,

G. Vasanth
(Sr.GM-Operations)

CC To:

1. The Member Secretary
Tamil Nadu Pollution Control Board,
No.76,Mount Salai
Guindy, Chennai - 600 032.
2. The Joint Chief Environmental Engineer (M)
Tamil Nadu Pollution Control Board,
First Floor, 950/1, Poonamallee High Road
Arumbakkam, Chennai-600 106



MGMT. SYS.
RvA C 024

ie RvA is a signatory to the IAF MLA

Manufacturing Site :

Chemical Division - Chennai.

(ISO 14001:2015 and OHSAS 18001:2007 Certified)

S.No. 74/7B, Vaikkadu TPP Salai, Manali, Chennai, Tamilnadu - 600 103.

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24.08.2020
Chennai-Manali

To

The Honourable Chairman
Tamil Nadu Pollution Control Board,
No.76, Mount Salai
Guindy, Chennai - 600 032.

Respected Sir,

SUB : Communication regarding EC amendment

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The RvA is a signatory to the IAF MLA





NATCO PHARMA LIMITED

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We request your good office to acknowledge this letter for our records.

Enclosures:

1. Copy of Environmental Clearance vide Lr.No.J.11011/456/06/2006-IA-II (I) Dated: 15.06.2007
2. Copy of Environmental Clearance vide Lr.No.SEIAA/TN/F.5869/5(f)/EC-67/2019 dated:20.02.2019
3. Copy of Amended EC vide F.No.J-11011/456/2006 -IA -II (I) dated:20.07.2020

With regards,

G. Vasan
(Sr.GM-Operations)

CC To:

1. The Member Secretary
Tamil Nadu Pollution Control Board,
No.76,Mount Salai
Guindy, Chennai - 600 032.
2. The Joint Chief Environmental Engineer (M)
Tamil Nadu Pollution Control Board,
First Floor, 950/1, Poonamallee High Road
Arumbakkam, Chennai-600 106



MGMT. SYS.
RVA C 024

The RVA is a signatory to the IAF MLA

Manufacturing Site :

Chemical Division - Chennai.

(ISO 14001:2015 and OHSAS 18001:2007 Certified)

S.No. 74/7B, Vaikkadu TPP Salai, Manali, Chennai, Tamilnadu - 600 103.

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