

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

|  |                                     |
|--|-------------------------------------|
| <b>Proposal No</b>                     | SEAC -2013/CR-550/ TC-2             |
| <b>Compliance ID</b>                   | 413928778                           |
| <b>Compliance Number(For Tracking)</b> | EC/M/COMPLIANCE/413928778/2025      |
| <b>Reporting Year</b>                  | 2025                                |
| <b>Reporting Period</b>                | 01 Dec(01 Apr - 30 Sep)             |
| <b>Submission Date</b>                 | 26-11-2025                          |
| <b>RO/SRO Name</b>                     | Shri Senthil Kumar Sampath          |
| <b>RO/SRO Email</b>                    | agmu156@ifs.nic.in                  |
| <b>State</b>                           | MAHARASHTRA                         |
| <b>RO/SRO Office Address</b>           | Integrated Regional Offices, Nagpur |

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

ACL/HSE&F/15/25-26

**Date:** 25/11/2025

**To,**

Additional Principal Chief Conservator of Forests (C),  
Ministry of Environment Forest and Climate Change,  
Regional Office (WCZ), Ground Floor, East Wing,  
New Secretariat Building Civil Lines,  
Nagpur.

**Subject:** Submission of Six-monthly post EC compliance report (Period: April 2025 to September 2025) for M/s. Aquapharm Chemicals Pvt.Ltd. Plot No. K-3/1, K-3/2, K-3/3, Additional MIDC Mahad, Tal- Mahad, Dist-Raigad.

**Reference:** EC File No: SEAC-2013/CR-550/TC-2 dated 8<sup>th</sup> Oct. 2015

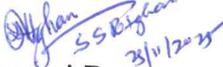
**Respected Sir/Madam,**

With reference to above EC, We are herewith submitting compliance of general conditions for Aquapharm Chemicals Pvt. Ltd. Plot K-3/1, K-3/2, K-3/3, Additional MIDC Mahad, Tal-Mahad, Dist-Raigad as per the details in Annexure-I.

Kindly acknowledge the report and record it.

Yours faithfully

For M/s. Aquapharm Chemicals Pvt. Ltd.

  
Dr. Sharad Potghan  
VP -Works

Copy to:

1. Sub-Regional Officer, Mahad, Maharashtra Pollution Control Board, Samaik Suidha Kendra Building, MIDC-Mahad, Dist. Raigad-402309.
2. Regional Officer, Raigad, Maharashtra Pollution Control Board, 6<sup>th</sup> floor, Raigad Bhavan, Sector 11, CBD Belapur, Navi Mumbai-400614.

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**Aquapharm Chemical Limited**

**Site Office:** Plot No.K2/4,K-3/1,K3/2,K3/3, Additional MIDC, Mahad, Ta. Mahad, Dist. Raigad - 402 302, Maharashtra, India.

**Registered Office:** 9th & 10th Floor, Amar Synergy, 12B, Sadhu Vaswani Road, Pune 411 001, Maharashtra, India.

**P:** 9607969237/ 38 / 9921007966 / 8380087198 | **E:** pcbl.investor@rpsg.in | **F:** +91 20 2605 3396 | **W:** www.aquapharm-india.com | **CIN:** U20299PN2024PLC227198

**Note:** With effect from 1 January 2025, Aquapharm Chemicals Private Limited stands amalgamated with Advaya Chemical Industries Limited "Aquapharm Chemical Limited" was formerly known as "Advaya Chemical Industries Limited"

**Half Yearly Compliance Report****2025****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

|  |   |                               |                                     |
|--|---|-------------------------------|-------------------------------------|
| <b>Proposal Name</b>                     | Synthetic Organic Chemicals Manufacturing Unit at Plot No. K-3/1, K-3/2, K-3/3, Mahad MIDC, Taluka- Mahad, District  Raigad, Maharashtra by M/s. Aquapharm Chemicals Pvt. Ltd. |                               |                                     |
| <b>Name of Entity / Corporate Office</b> | Mr. Avinash Dattaram Khaire   |                               |                                     |
| <b>Village(s)</b>                        | N/A   |                               |                                     |
| <b>District</b>                          | RAIGAD  |                               |                                     |
| <b>Proposal No.</b>                      | SEAC -2013/CR-550/TC-2  | <b>Category</b>               | Industrial Projects - 3             |
| <b>Plot / Survey / Khasra No.</b>        | N/A   | <b>Sub-District</b>           | N/A                                 |
| <b>State</b>                             | MAHARASHTRA   | <b>Entity's PAN</b>           | *****7014R                          |
| <b>MoEF File No.</b>                     | SEAC -2013/CR-550/TC-2  | <b>Entity name as per PAN</b> | AQUAPHARM CHEMICALS PRIVATE LIMITED |

**Compliance Reporting Details**

|                         |                         |
|-------------------------|-------------------------|
| <b>Reporting Year</b>   | 2025                    |
| <b>Remarks (if any)</b> | Nil                     |
| <b>Reporting Period</b> | 01 Dec(01 Apr - 30 Sep) |

**Details of Production and Project Area**

**Name of Entity / Corporate Office** Mr. Avinash Dattaram Khaire

|              | <b>Project Area as per EC Granted</b> | <b>Actual Project Area in Possession</b> |
|--------------|---------------------------------------|--|
| Private      | 73547                                 | 62899                                    |
| Revenue Land | 0                                     | 0  |
| Forest       | 0                                     | 0  |
| Others       | 0                                     | 0  |
| <b>Total</b> | <b>73547</b>                          | <b>62899</b>                             |

**Production Capacity**

| Sr. no | Product Name               | units         | Valid Upto | Capacity | Production last year | Capacity as per CTO |
|--------|----------------------------|---------------|------------|----------|----------------------|---------------------|
| 1      | Alkyl Phosphonate          | Others:MT/Day | 31/01/2026 | 95.3     | 45.39 MT/D           | 95.3                |
| 2      | Amine Phosphonates         | Others:MT/Day | 31/01/2026 | 24.1     | 5.77 MT/D            | 24.1                |
| 3      | Salt of Alkyl Phosphonates | Others:MT/Day | 31/01/2026 | 46       | 18.13 MT/D           | 46                  |
| 4      | Salt of Amine Phosphonates | Others:MT/Day | 31/01/2026 | 40       | 14.98 MT/D           | 40                  |
| 5      | Polymers                   | Others:MT/Day | 31/01/2026 | 28       | 5.90 MT/D            | 28                  |
| 6      | Ecofriendly Products       | Others:MT/Day | 31/01/2026 | 27       | 3.21 MT/D            | 27                  |
| 7      | Hallogen Derivaties        | Others:MT/Day | 31/01/2026 | 123      | 82.78 MT/D           | 123                 |
| 8      | Phosphonic Acid (H3PO3)    | Others:MT/Day | 31/01/2026 | 15.06    | 12.60 MT/D           | 15.06               |

## Conditions

### General Conditions

| Sr.No.   | Condition Type                          | Condition Details   |
|--|---|---|
| 1  | Risk Mitigation and Disaster Management | This environment clearance is issued subject to increase height of hazardous storage tank up to 1.2 feet.                                     |
| PPs Submission: Complied Completed   |   | Date: 16/11/2025  |
| 2  | Risk Mitigation and Disaster Management | Project Proponent shall be responsible for end disposal of hazardous waste to authorized dealer.  |
| PPs Submission: Complied<br>Pl see Annexure -5, attached for MWML Membership |   | Date: 16/11/2025  |
| 3  | MISCELLANEOUS                           | This environment clearance is issued subject to BOD Level to be improved and shall be maintained within the limits prescribed by LPRB / MPCB. |
| PPs Submission: Complied<br>Pl see Annexure -8, attached                     |   | Date: 16/11/2025  |
| 4  | Statutory compliance                    | MPCB shall conduct regulate/ surprise checks to ensure maintenance of emission standards as per laid down norms.                              |
| PPs Submission: Complied<br>Yes, MPCB carried out visits to factory          |   | Date: 16/11/2025  |
| 5  | WATER QUALITY                           | PP to install RO plant.   |

|  |   |   |
|--|---|---|
|  | MONITORING AND PRESERVATION             |   |
| <b>PPs Submission:</b> Complied<br>RO plant installed and in operation                               |   | Date:<br>16/11/2025   |
| 6  | Statutory compliance                    | No additional land shall be used /acquired for any activity of the project without obtaining proper permission.   |
| <b>PPs Submission:</b> Complied<br>Noted   |   | Date:<br>16/11/2025   |
| 7  | Human Health Environment                | For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured  |
| <b>PPs Submission:</b> Complied<br>Water sprinkling practiced, Pl see Annexure -1, attached for AAQM |   | Date:<br>16/11/2025   |
| 8  | AIR QUALITY MONITORING AND PRESERVATION | Regular monitoring of the air quality, including SPM & SO2 levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB. |
| <b>PPs Submission:</b> Complied<br>Annexure -1.1 attached for AAQM                                   |   | Date:<br>16/11/2025   |
| 9  | Human Health Environment                | Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area  |
| <b>PPs Submission:</b> Complied<br>Noted   |   | Date:<br>16/11/2025   |
| 10   | Human Health Environment                | Proper housekeeping programmers shall be implemented.   |
| <b>PPs Submission:</b> Complied<br>Yes, Proper housekeeping maintained                               |   | Date:<br>16/11/2025   |
| 11   | AIR QUALITY MONITORING AND PRESERVATION | In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.   |
| <b>PPs Submission:</b> Complied<br>Noted   |   | Date:<br>16/11/2025   |
| 12   | MISCELLANEOUS                           | A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).   |
| <b>PPs Submission:</b> Complied<br>Pl see Annexure -4, attached for DG stack monitoring              |   | Date:<br>16/11/2025   |
| 13   | WATER QUALITY                           | A detailed scheme for rainwater harvesting shall be prepared and  |

|   |   |  |
|---|---|--|
|   | MONITORING AND PRESERVATION               | implemented to recharge ground water.  |
| <b>PPs Submission:</b> Complied<br>Yes, rainwater being harvested   |   | Date:<br>16/11/2025  |
| 14  | WATER QUALITY MONITORING AND PRESERVATION | Arrangement shall be made that effluent and storm water does not get mixed.  |
| <b>PPs Submission:</b> Complied<br>Yes, In the factory Storm drains and plant drains are separated          |   | Date:<br>16/11/2025  |
| 15  | Statutory compliance                      | Periodic monitoring of ground water shall be undertaken and result analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.  |
| <b>PPs Submission:</b> Complied<br>Noted  |   | Date:<br>16/11/2025  |
| 16  | Noise Monitoring & Prevention             | Noise level shall be maintained as per standards. For the people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.   |
| <b>PPs Submission:</b> Complied<br>Pl see Annexure 2 attached   |   | Date:<br>16/11/2025  |
| 17  | Noise Monitoring & Prevention             | The overall noise levels in and around the plant are shall be kept well within the standards by providing the noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989. |
| <b>PPs Submission:</b> Complied<br>Pl see Annexure -2, attached for Noise monitoring                        |   | Date:<br>16/11/2025  |
| 18  | GREENBELT                                 | Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Department.   |
| <b>PPs Submission:</b> Complied<br>Guidelines followed, Pl see Annexure -3, attached for Plant Species List |   | Date:<br>16/11/2025  |
| 19  | Human Health Environment                  | Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.   |
| <b>PPs Submission:</b> Complied<br>Noted  |   | Date:<br>16/11/2025  |
| 20  | Human Health Environment                  | Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.   |

|  |   |  |
|--|---|--|
| <b>PPs Submission:</b> Complied<br>Yes, record maintained as per Factories Act.                |   | Date:<br>16/11/2025  |
| 21   | Human Health Environment                | The company shall make arrangement for protection of possible fire hazards during manufacturing process in the material handling.  |
| <b>PPs Submission:</b> Complied<br>Yes   |   | Date:<br>16/11/2025  |
| 22   | Statutory compliance                    | The project authorities must strictly comply with the rules and regulation with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collection /treatment/storages/disposal of hazardous wastes.  |
| <b>PPs Submission:</b> Complied<br>Pl see Annexure -5, attached for CHWTSDF membership of MWML |   | Date:<br>16/11/2025  |
| 23   | WASTE MANAGEMENT                        | The company shall undertake following Waste Minimization Measures: Meeting of the quantities of active ingredients to minimize the waste. Reuse of by-products from the process as raw materials or as raw material substitutes in the other process. Maximizing Recoveries. Use of automated material transfer system to minimize spillage. |
| <b>PPs Submission:</b> Complied<br>Noted   |   | Date:<br>16/11/2025  |
| 24   | Risk Mitigation and Disaster Management | Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes/improvements required. If any, in the on-site management plan shall be ensured.  |
| <b>PPs Submission:</b> Complied<br>Pl see Annexure -6, attached for Mock drill Report          |   | Date:<br>16/11/2025  |
| 25   | MISCELLANEOUS                           | A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.   |
| <b>PPs Submission:</b> Complied<br>Yes, established  |   | Date:<br>16/11/2025  |
| 26   | Human Health Environment                | Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of ash.   |
| <b>PPs Submission:</b> Complied<br>Yes   |   | Date:<br>16/11/2025  |
| 27   | WASTE MANAGEMENT                        | Separate silos will be provided for collecting and storing bottom ash and fly ash.   |
| <b>PPs Submission:</b> Complied<br>Yes   |   | Date:<br>16/11/2025  |

|  |                      |   |
|--|----------------------|---|
| 28   | MISCELLANEOUS        | Separate fund shall be allocated for implementation of environmental protection measures / EMP along with item-wise breaks-up. This cost shall be included as part of the project cost. The funds earmarked for the environment for the environment protection measures shall not be diverted for the other purposes and year wise expenditure should reported to the MPCB & this department.   |
| <b>PPs Submission:</b> Complied<br>Noted   |                      | Date:<br>16/11/2025   |
| 29   | Statutory compliance | The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov">http://ec.maharashtra.gov</a>   |
| <b>PPs Submission:</b> Complied<br>Yes, published in local newspaper Dainik Sagar Raigad (P-9) dated, Tuesday 29th Oct. 2024 |                      | Date:<br>16/11/2025   |
| 30   | Statutory compliance | Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and condition in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.   |
| <b>PPs Submission:</b> Complied<br>Noted   |                      | Date:<br>16/11/2025   |
| 31   | Statutory compliance | A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestion/representation, if any were received processing the proposal. The clearance letter shall be also be put on the website of the company by the proponent.  |
| <b>PPs Submission:</b> Complied<br>Noted   |                      | Date:<br>16/11/2025   |
| 32   | Statutory compliance | The proponent shall upload the status of compliance of the stipulated EC condition, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant level namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient level as well as stack emission) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain. |
| <b>PPs Submission:</b> Complied<br>Noted   |                      | Date:<br>16/11/2025   |
| 33   | Statutory compliance | The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC condition including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB   |

|   |                      |  |
|---|----------------------|--|
| <b>PPs Submission:</b> Complied<br>Noted  |                      | Date:<br>16/11/2025  |
| 34  | Statutory compliance | The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as Prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of the compliance of EC condition and shall also be sent to the respective Regional Offices of MoEF by e-mail.                                 |
| <b>PPs Submission:</b> Complied<br>Yes, Environmental statement - Form V submitted for FY 2024-25 on dated, 17th Sep 2025 |                      | Date:<br>16/11/2025  |
| 35  | Statutory compliance | The environmental clearance is being issued without prejudice to the action initiated under EP act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP act. |
| <b>PPs Submission:</b> Complied<br>Noted  |                      | Date:<br>16/11/2025  |
| 36  | Statutory compliance | The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.  |
| <b>PPs Submission:</b> Complied<br>Noted  |                      | Date:<br>16/11/2025  |
| 37  | Statutory compliance | Validity of Environmental Clearance: The environmental clearance accorded shall be valid for a period of 7 years as per MoEF&CC Notification dated 29th April, 2015 to start of production operations.   |
| <b>PPs Submission:</b> Complied<br>Noted  |                      | Date:<br>16/11/2025  |
| 38  | MISCELLANEOUS        | In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(S) imposed and to incorporate additional environmental protection measures required, if any.  |
| <b>PPs Submission:</b> Complied<br>Noted  |                      | Date:<br>16/11/2025  |
| 39  | Statutory compliance | The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981. The Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1986 and its amendments, the public liability insurance act, 1991 and its amendments.  |

|  |   |   |
|--|---|---|
| PPs Submission: Complied<br>Noted  |   | Date:<br>16/11/2025   |
| 40   | Statutory compliance                    | Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under section 16 of the National Green Tribunal Act 2010. |
| PPs Submission: Complied<br>Noted  |   | Date:<br>16/11/2025   |
| 41   | Risk Mitigation and Disaster Management | No additional land shall be used /acquired for any activity of the project without obtaining proper permission.   |
| PPs Submission: Complied<br>Noted  |   | Date:<br>16/11/2025   |
| <b>Visit Remarks</b>   |   |   |
| <b>Last Site Visit Report Date:</b>  |   | 06/04/2023  |
| <b>Additional Remarks:</b>   |   | No  |
| <p><b>Note:</b> This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p> |   |   |

**Annexure 1 - Boiler stack monitoring  
report**



# EHS MATRIX

PRIVATE LIMITED

📍 Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,  
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.  
☎ +91 91585 60571 / +91 95796 84751 / +91 90961 85285  
🌐 www.ehsmatrix.co.in ✉ ehsmatrixpune@gmail.com

## TEST REPORT

|                                     |  |                                |   |
|-------------------------------------|--|--------------------------------|---|
| <b>Report No:</b>                   | EHSM/2025/Sept/759   | <b>Issue Date</b>              | 30/09/2025  |
| <b>Name and Address of Customer</b> | M/s Aquapharm Chemicals Pvt. Ltd.,<br>K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area , MIDC, Mahad,<br>Dist. Raigad 402 302 |                                |   |
| <b>Sample Name</b>                  | Stack of Coal Fire Boiler  | <b>Sample Description</b>      | -   |
| <b>Date of Sampling</b>             | 23/09/2025   | <b>Sampling duration</b>       | 60 Min  |
| <b>Sampling Location</b>            | Coal Fire Boiler   | <b>Sampling Procedure</b>      | CPCB Guideline for measurement of Ambient Air pollutants Volume I |
| <b>Dry bulb temperature</b>         | 29°C   | <b>Wet bulb temperature</b>    | 24°C  |
| <b>Relative Humidity</b>            | 64%  | <b>Sampling done by</b>        | EHS Matrix Pvt Ltd, Pune  |
| <b>Start Date of Analysis</b>       | 25/09/2025   | <b>End Date of Analysis</b>    | 29/09/2025  |
| <b>Name Of Instrument</b>           | Rota Meter-Handy Sampler   | <b>Date Of Calibration</b>     | 26/06/2025  |
| <b>Calibration Certificate No.</b>  | TECH/CAL/2025/06. M/9-12   | <b>Due Date of Calibration</b> | 25/06/2026  |

### PARTICULARS OF STACK

|  |                   |
|--|-------------------|
| Stack Attached to                                  | Coal Fired Boiler |
| Stack Diameter (Meter)                             | 1.2               |
| Stack Height (Meter)                               | 40                |
| Stack Temperature (°C)                             | 117               |
| Stack Velocity of Flue Gases (m/s)                 | 5.6               |
| Stack Velocity of Flue Gases (Nm <sup>3</sup> /hr) | 20943.0           |
| Type of Fuel                                       | Coal              |

### Results

| Sr. No. | Parameters                           | Results | Unit(s)             | Specifications (MPCB Consent) | Methods   |
|---------|--------------------------------------|---------|---------------------|-------------------------------|---|
| 1       | Sulphur Dioxide(SO <sub>2</sub> )    | 10.0    | Kg/Day              | 360                           | IS 5182 (Part 2)  |
| 2       | Oxides of Nitrogen(NO <sub>2</sub> ) | 5.0     | PPM                 | 5                             | IS 5182 (Part 6)  |
| 3       | Total Particulate Matter (TPM)       | 46.0    | Mg/ Nm <sup>3</sup> | 150                           | CPCB Guideline for measurement of Ambient Air pollutants Volume I |

➤ **Remark-** All above results are well within MPCB Standards.

For Aquapharm Chemicals Pvt. Ltd.

Authorized Signatory



Authorized Signatory  
Mr. Rahul Patil  
(Director)  
Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.

📍 **Register Office Address :**  
C-7, Omkar Kudale Patil Estate, Manik  
Baugh, Sinhgad Road, Pune - 411051.  
☎ +91 20 2435 6133  
☎ +91 90961 85285 / +91 91585 60571

📍 **Branch Office Address :**  
1151, E-ward, Saroj Sankul, Flat No. B-204,  
Near Swayamsiddha Trust Building,  
Sykes Extension, Kolhapur - 415116  
☎ +91 98343 07334 / +91 90961 85285

**CERTIFICATIONS**  
ISO 9001 : 2015  
ISO 14001 : 2015  
ISO 45001 : 2018

**Annexure 1.1 - AAQM monitoring report**



# EHS MATRIX

PRIVATE LIMITED

📍 Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,  
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.  
☎ +91 91585 60571 / +91 95796 84751 / +91 90961 85285  
🌐 www.ehsmatrix.co.in ✉ ehsmatrixpune@gmail.com

## TEST REPORT

|                              |   |                         |   |
|------------------------------|---|-------------------------|---|
| Report No:                   | EHSM/2025/Sept/756  | Issue Date              | 30/09/2025  |
| Name and Address of Customer | M/s Aquapharm Chemicals Pvt. Ltd.,<br>K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area, MIDC, Mahad,<br>Dist. Raigad 402 302 |                         |   |
| Sample Name                  | Air   | Sample Description      | Ambient Air   |
| Date of Sampling             | 23/09/2025  | Sampling duration       | 1440 Min  |
| Sampling Location            | Near Filling Shed   | Sampling Procedure      | CPCB Guideline for measurement of Ambient Air pollutants Volume I |
| Dry bulb temperature         | 30°C  | Wet bulb temperature    | 27°C  |
| Relative Humidity            | 70 %  | Sampling done by        | EHS Matrix Pvt Ltd, Pune  |
| Start Date of Analysis       | 25/09/2025  | End Date of Analysis    | 29/09/2025  |
| Name Of Instrument           | Flow Meter for- 2.5 μ, 10 μ, wins Impactor, Gases, Ambient Fine Dust Sampler M/C- 01  | Date Of Calibration     | 26/06/2025  |
| Calibration Certificate No   | TECH/CAL/2025/06. M/1-4   | Due Date Of Calibration | 25/06/2026  |

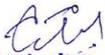
### Results

| Sr. No. | Parameters                            | Results | Unit(s)           | Specifications (NAAQ Standards) | Methods  |
|---------|---------------------------------------|---------|-------------------|---------------------------------|--|
| 1       | Sulphur Dioxide (SO <sub>2</sub> )    | 7.0     | μg/m <sup>3</sup> | ≤ 80                            | IS 5182 (Part 2)   |
| 2       | Oxides of Nitrogen (NO <sub>2</sub> ) | 9.0     | μg/m <sup>3</sup> | ≤ 80                            | IS 5182 (Part 6)   |
| 3       | Particulate Matter PM <sub>10</sub>   | 45.0    | μg/m <sup>3</sup> | ≤ 100                           | CPCB Guideline for measurement of Ambient Air pollutants Volume I. |
| 4       | Particulate Matter PM <sub>2.5</sub>  | 19.0    | μg/m <sup>3</sup> | ≤ 60                            |  |

**Remark-** All above results is within National Ambient Air Quality standards.

|                     |      |     |                           |     |
|---------------------|------|-----|---------------------------|-----|
| Sampling Conditions | Rain | Yes | Construction site near by | No  |
|                     | Wind | No  | Vehicular Activity        | Yes |

For Aquapharm Chemicals Pvt. Ltd.

  
Authorized Signatory



  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

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# EHS MATRIX

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## TEST REPORT

|                              |  |                         |   |
|------------------------------|--|-------------------------|---|
| Report No:                   | EHSM/2025/Sept/757   | Issue Date              | 30/09/2025  |
| Name and Address of Customer | M/s Aquapharm Chemicals Pvt. Ltd.,<br>K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area , MIDC, Mahad,<br>Dist. Raigad 402 302 |                         |   |
| Sample Name                  | Air  | Sample Description      | Ambient Air   |
| Date of Sampling             | 23/09/2025   | Sampling duration       | 1440 Min  |
| Sampling Location            | Near MCC Control Room  | Sampling Procedure      | CPCB Guideline for measurement of Ambient Air pollutants Volume I |
| Dry bulb temperature         | 30°C   | Wet bulb temperature    | 27°C  |
| Relative Humidity            | 70 %   | Sampling done by        | EHS Matrix Pvt Ltd, Pune  |
| Start Date of Analysis       | 25/09/2025   | End Date of Analysis    | 29/09/2025  |
| Name Of Instrument           | Flow Meter for- 2.5 $\mu$ ,10 $\mu$ , wins Impactor, Gausens, Ambient Fine Dust Sampler M/C- 02                                      | Date Of Calibration     | 26/06/2025  |
| Calibration Certificate No   | TECH/CAL/2025/06. M/5-8  | Due Date Of Calibration | 25/06/2026  |

## Results

| Sr. No. | Parameters                           | Results | Unit(s)                  | Specifications (NAAQ Standards) | Methods   |
|---------|--------------------------------------|---------|--------------------------|---------------------------------|---|
| 1       | Sulphur Dioxide(SO <sub>2</sub> )    | 8.0     | $\mu\text{g}/\text{m}^3$ | $\leq 80$                       | IS 5182 (Part 2)  |
| 2       | Oxides of Nitrogen(NO <sub>2</sub> ) | 10.0    | $\mu\text{g}/\text{m}^3$ | $\leq 80$                       | IS 5182 (Part 6)  |
| 3       | Particulate Matter PM <sub>10</sub>  | 44.0    | $\mu\text{g}/\text{m}^3$ | $\leq 100$                      | CPCB Guideline for measurement of Ambient Air pollutants Volume I |
| 4       | Particulate Matter PM <sub>2.5</sub> | 18.0    | $\mu\text{g}/\text{m}^3$ | $\leq 60$                       |   |

Remark- All above results is within National Ambient Air Quality standards.

|                     |      |     |                           |     |
|---------------------|------|-----|---------------------------|-----|
| Sampling Conditions | Rain | Yes | Construction site near by | No  |
|                     | Wind | No  | Vehicular Activity        | Yes |

For Aquapharm Chemicals Pvt. Ltd.

Authorized Signatory



Authorized Signatory  
Mr. Rahul Patil  
(Director)

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ISO 14001 : 2015  
ISO 45001 : 2018



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## TEST REPORT

| Report No:   | EHSM/2025/Sept/758  | Issue Date              | 30/09/2025  |                                 |   |
|--|---|-------------------------|---|---------------------------------|---|
| Name and Address of Customer   | M/s Aquapharm Chemicals Pvt. Ltd.,<br>K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area, MIDC, Mahad,<br>Dist. Raigad 402 302 |                         |   |                                 |   |
| Sample Name  | Air   | Sample Description      | Ambient Air   |                                 |   |
| Date of Sampling   | 23/09/2025  | Sampling duration       | 1440 Min  |                                 |   |
| Sampling Location  | Near CFB  | Sampling Procedure      | CPCB Guideline for measurement of Ambient Air pollutants Volume I |                                 |   |
| Dry bulb temperature   | 30°C  | Wet bulb temperature    | 27°C  |                                 |   |
| Relative Humidity  | 70 %  | Sampling done by        | EHS Matrix Pvt Ltd, Pune  |                                 |   |
| Start Date of Analysis   | 25/09/2025  | End Date of Analysis    | 29/09/2025  |                                 |   |
| Name Of Instrument   | Flow Meter for- 2.5 μ, 10 μ, wins Impactor, Gauges, Ambient Fine Dust Sampler M/C- 03   | Date Of Calibration     | 26/06/2025  |                                 |   |
| Calibration Certificate No   | TECH/CAL/2025/06. M/17-20   | Due Date Of Calibration | 25/06/2026  |                                 |   |
| <b>Results</b>   |   |                         |   |                                 |   |
| Sr. No.  | Parameters  | Results                 | Unit(s)   | Specifications (NAAQ Standards) | Methods   |
| 1  | Sulphur Dioxide(SO <sub>2</sub> )   | 6.0                     | μg/m <sup>3</sup>   | ≤ 80                            | IS 5182 (Part 2)  |
| 2  | Oxides of Nitrogen(NO <sub>2</sub> )  | 8.0                     | μg/m <sup>3</sup>   | ≤ 80                            | IS 5182 (Part 6)  |
| 3  | Particulate Matter PM <sub>10</sub>   | 40.0                    | μg/m <sup>3</sup>   | ≤ 100                           | CPCB Guideline for measurement of Ambient Air pollutants Volume I |
| 4  | Particulate Matter .PM <sub>2.5</sub>   | 17.0                    | μg/m <sup>3</sup>   | ≤ 60                            |   |
| <b>Remark-</b> All above results is within National Ambient Air Quality standards. |   |                         |   |                                 |   |

|                     |      |     |                           |     |
|---------------------|------|-----|---------------------------|-----|
| Sampling Conditions | Rain | Yes | Construction site near by | No  |
|                     | Wind | No  | Vehicular Activity        | Yes |

For Aquapharm Chemicals Pvt. Ltd.

*[Signature]*  
Authorised Signatory



*[Signature]*  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

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## TEST REPORT

|                              |  |                         |   |
|------------------------------|--|-------------------------|---|
| Report No:                   | EHSM/2025/Sept/755   | Issue Date              | 30/09/2025  |
| Name and Address of Customer | M/s Aquapharm Chemicals Pvt. Ltd.,<br>K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area , MIDC, Mahad,<br>Dist. Raigad 402 302 |                         |   |
| Sample Name                  | Air  | Sample Description      | Ambient Air   |
| Date of Sampling             | 23/09/2025   | Sampling duration       | 1440 Min  |
| Sampling Location            | Near Main Gate   | Sampling Procedure      | CPCB Guideline for measurement of Ambient Air pollutants Volume I |
| Dry bulb temperature         | 30°C   | Wet bulb temperature    | 27°C  |
| Relative Humidity            | 70 %   | Sampling done by        | EHS Matrix Pvt Ltd, Pune  |
| Start Date of Analysis       | 25/09/2025   | End Date of Analysis    | 29/09/2025  |
| Name Of Instrument           | Flow Meter for- 2.5 µ ,10 µ, wins Impactor, Gausas, Ambient Fine Dust Sampler M/C- 04  | Date Of Calibration     | 26/06/2025  |
| Calibration Certificate No   | TECH/CAL/2025/06. M/21-24  | Due Date Of Calibration | 25/06/2026  |

## Results

| Sr. No. | Parameters                           | Results | Unit(s)           | Specifications (NAAQ Standards) | Methods   |
|---------|--------------------------------------|---------|-------------------|---------------------------------|---|
| 1       | Sulphur Dioxide(SO <sub>2</sub> )    | 9.0     | µg/m <sup>3</sup> | ≤ 80                            | IS 5182 (Part 2)  |
| 2       | Oxides of Nitrogen(NO <sub>2</sub> ) | 11.0    | µg/m <sup>3</sup> | ≤ 80                            | IS 5182 (Part 6)  |
| 3       | Particulate Matter PM <sub>10</sub>  | 46.0    | µg/m <sup>3</sup> | ≤ 100                           | CPCB Guideline for measurement of Ambient Air pollutants Volume I |
| 4       | Particulate Matter PM <sub>2.5</sub> | 21.0    | µg/m <sup>3</sup> | ≤ 60                            |   |

Remark- All above results are within National Ambient Air Quality standards.

|                     |      |     |                           |     |
|---------------------|------|-----|---------------------------|-----|
| Sampling Conditions | Rain | Yes | Construction site near by | No  |
|                     | Wind | No  | Veicular Activity         | Yes |

For Aquapharm Chemicals Pvt. Ltd.

Authorised Signatory



Authorized Signatory  
Mr. Rahul Patil  
(Director)

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ISO 45001 : 2018

**Annexure 2 - Noise monitoring report**



# EHS MATRIX

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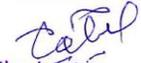
## TEST REPORT

| <b>Report No:</b>                                 | EHSM/2025/Sept/777   | <b>Issue Date</b>              | 30/09/2025            |                   |                     |
|---|--|--------------------------------|-----------------------|-------------------|---------------------|
| <b>Name and Address of Customer</b>               | M/s Aquapharm Chemicals Pvt. Ltd.,<br>K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area , MIDC, Mahad,<br>Dist. Raigad 402 302 |                                |                       |                   |                     |
| <b>Sample Name</b>                                | Noise(A1)  | <b>Sample Description</b>      | Ambient Noise         |                   |                     |
| <b>Date of Sampling</b>                           | 23/09/2025   | <b>Sampling duration</b>       | Spot Time             |                   |                     |
| <b>Sampling done by</b>                           | EHS Matrix Pvt. Ltd., Pune.  |                                |                       |                   |                     |
| <b>Name Of Instrument</b>                         | Sound Level Meter  | <b>Date Of Calibration</b>     | 26/06/2025            |                   |                     |
| <b>Calibration Certificate No.</b>                | SGS/2025/02/293  | <b>Due Date Of Calibration</b> | 25/06/2026            |                   |                     |
| <b>Results</b>                                    |  |                                |                       |                   |                     |
| Sr. No.   | Locations  | Result dB(A)<br>Day            | Result dB(A)<br>Night | Day Time<br>dB(A) | Night Time<br>dB(A) |
| 1   | On Road between SPD & Utility building   | 72.0                           | 68.1                  | 75                | 70                  |
| 2   | Near Weighing Balance  | 68.5                           | 63.7                  | 75                | 70                  |
| 3   | Near Gate No.1   | 64.2                           | 56.2                  | 75                | 70                  |
| 4   | Near Gate No.3   | 62.3                           | 55.5                  | 75                | 70                  |
| 5   | Near Fabrication Shed (Project)  | 68.2                           | 60.4                  | 75                | 70                  |
| 6   | Near Old ETP   | 68.4                           | 62.0                  | 75                | 70                  |
| 7   | Nearby Ejector Tank  | 70.8                           | 65.2                  | 75                | 70                  |
| <b>Remark-Limit as per as per MPCB guideline.</b> |  |                                |                       |                   |                     |



  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

For Aquapharm Chemicals Pvt. Ltd.

  
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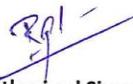
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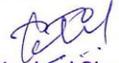
## TEST REPORT

| Report No:   | EHSM/2025/Sept/778  | Issue Date              | 30/09/2025     |                |                  |
|--|---|-------------------------|----------------|----------------|------------------|
| Name and Address of Customer   | M/s Aquapharm Chemicals Pvt. Ltd.,<br>K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area, MIDC, Mahad,<br>Dist. Raigad 402 302 |                         |                |                |                  |
| Sample Name  | Noise(A1)   | Sample Description      | Workzone Noise |                |                  |
| Date of Sampling   | 23/09/2025  | Sampling duration       | Spot Time      |                |                  |
| Sampling done by   | EHS Matrix Pvt. Ltd., Pune.   |                         |                |                |                  |
| Name Of Instrument   | Sound Level Meter   | Date Of Calibration     | 26/06/2025     |                |                  |
| Calibration Certificate No.  | SGS/2025/02/293   | Due Date Of Calibration | 25/06/2026     |                |                  |
| Results  |   |                         |                |                |                  |
| Sr. No.  | Locations   | Result dB(A)            |                | Day Time dB(A) | Night Time dB(A) |
|  |   | Day                     | Night          |                |                  |
| 1  | Old Filling Shed  | 71.2                    | 63.2           | 90             | 90               |
| 2  | Acetic Acid Unloading   | 77.4                    | 67.3           | 90             | 90               |
| 3  | 1 <sup>st</sup> Floor Coal Fire Boiler  | 86.2                    | 83.1           | 90             | 90               |
| 4  | Ground Floor Amine Nearby R-2402B   | 82.4                    | 72.7           | 90             | 90               |
| 5  | Near ETP  | 78.2                    | 67.4           | 90             | 90               |
| 6  | Laboratory  | 67.2                    | 56.4           | 90             | 90               |
| 7  | Compactor   | 88.2                    | 77.0           | 90             | 90               |
| 8  | Big GFG Machine   | 75.7                    | 62.0           | 90             | 90               |
| <b>Remark-</b><br>➤ Limit as per As per Maharashtra Factories Rules 1963 Schedule XXIV |   |                         |                |                |                  |



  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

For Aquapharm Chemicals Pvt. Ltd.

  
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**CERTIFICATIONS**  
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ISO 45001 : 2018

**Annexure 3 - Plant species list**

### List of Plant Species

| Scientific name                  | Common name   | Family          |
|----------------------------------|---------------|-----------------|
| <i>Mangifera indica</i>          | Amba          | Anacardiaceae   |
| <i>Annona squamosa</i> L.        | Sitaphal      | Annonaceae      |
| <i>Polyalthia longifolia</i>     | Ashok         | Annonaceae      |
| <i>Alstonia scholaris</i>        | Saptaparni    | Apocynaceae     |
| <i>Nerium indicum</i>            | Kaner         | Apocynaceae     |
| <i>Cocos nucifera</i>            | Coconut       | Arecaceae       |
| <i>Tridax procumbens</i>         | Dagadipala    | Asteraceae      |
| <i>Jacaranda mimosefolia</i>     | Neel Gulmohor | Bignoniaceae    |
| <i>Bombax ceiba</i>              | Shalmali      | Bombacaceae     |
| <i>Cassia fistula</i>            | Bahava        | Caesalpiniaceae |
| <i>Cassia javanica</i>           | Cassia        | Caesalpiniaceae |
| <i>Cassia siamea</i>             | Cassia        | Caesalpiniaceae |
| <i>Cassia tora</i>               | Takla         | Caesalpiniaceae |
| <i>Delonix regia</i>             | Gulmohar      | Caesalpiniaceae |
| <i>Tamarindus indica</i>         | Chinch        | Caesalpiniaceae |
| <i>Casuarina equisetifolia</i>   | Suru          | Casuarinaceae   |
| <i>Cyperus</i> spp.              | Motha         | Cyperaceae      |
| <i>Dalbergia sisso</i>           | Shisham       | Fabaceae        |
| <i>Pongamia pinnata</i>          | Karanj        | Fabaceae        |
| <i>Lawsonia inermis</i>          | Mehndi        | Lythraceae      |
| <i>Melia azedarach</i>           | Bakan neem    | Meliaceae       |
| <i>Albizia lebbek</i>            | Kala shirish  | Mimosaceae      |
| <i>Ficus glomerata</i>           | Umbar         | Moraceae        |
| <i>Ficus religiosa</i>           | Pimpal        | Moraceae        |
| <i>Ficus benghalensis</i>        | Vad           | Moraceae        |
| <i>Eugenia jambolana</i>         | Jambhul       | Myrtaceae       |
| <i>Bougainvillea spectabilis</i> | Boganvel      | Nyctaginaceae   |
| <i>Andropogon contortus</i>      | Surwal        | Poaceae         |
| <i>Andropogon martinii</i>       | Rohis         | Poaceae         |
| <i>Mimusops elengi</i>           | Bakul         | Sapotaceae      |
| <i>Ailanthus excelsa</i>         | Rukhdo        | Simaroubaceae   |
| <i>Typha angustata</i>           | Pankanis      | Typhaceae       |
| <i>Embllica officinalis</i>      | Amla          | Euphorbiaceae   |
| <i>Syzygium cumini</i>           | Jamun         | Myrtaceae       |

**Annexure 4 - DG stack monitoring  
report**



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## TEST REPORT

| Report No:  | EHSM/2025/Sept/761   | Issue Date              | 30/09/2025   |                               |  |
|---|--|-------------------------|--|-------------------------------|--|
| Name and Address of Customer                            | M/s Aquapharm Chemicals Pvt. Ltd.,<br>K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area , MIDC, Mahad,<br>Dist. Raigad 402 302 |                         |  |                               |  |
| Sample Name   | Stack of DG 01   | Sample Description      | -  |                               |  |
| Date of Sampling  | 23/09/2025   | Sampling duration       | 30 Min   |                               |  |
| Sampling Location                                       | DG-No.-1 1500 KVA  | Sampling Procedure      | CPCB Guideline on methodologies for source emission monitoring |                               |  |
| Sampling done by  | EHS Matrix Pvt Ltd, Pune   |                         |  |                               |  |
| Sample Quantity   | Thimble 1 Nos and 30 ml Solution   |                         |  |                               |  |
| Start Date of Analysis                                  | 25/09/2025   | End Date of Analysis    | 29/09/2025   |                               |  |
| Name Of Instrument                                      | Stack Kit  | Date Of Calibration     | 26/06/2025   |                               |  |
| Calibration Certificate No.                             | TECH/CAL/2025/06. M/9-12   | Due Date Of Calibration | 25/06/2026   |                               |  |
| Particulars of stack                                    |  |                         |  |                               |  |
| Stack attached to                                       | D. G. Set  |                         |  |                               |  |
| Stack Diameter  | 0.2  |                         |  |                               |  |
| Stack Height  | 30   |                         |  |                               |  |
| Stack Temp  | 530  |                         |  |                               |  |
| Stack velocity flue gases (m/s)                         | 15.0   |                         |  |                               |  |
| Stack volume of flue gases (Nm <sup>2</sup> /hr)        | 1078.0   |                         |  |                               |  |
| Type of fuel  | Diesel   |                         |  |                               |  |
| Results   |  |                         |  |                               |  |
| Sr. No.   | Parameters   | Results                 | Unit(s)  | Specifications (MPCB Consent) | Methods  |
| 1   | Particulate Matter   | 62.0                    | mg/Nm <sup>3</sup>   | ≤ 150                         | CPCB Guideline on methodologies for source emission monitoring |
| 2   | Sulphur Dioxide (SO <sub>2</sub> )   | 1.5                     | Kg/day   | 312                           | IS 5182 (Part 2)   |
| 3   | Oxide of Nitrogen (NO <sub>x</sub> )   | 2.4                     | PPM  | 5                             | IS 5182 (Part 6)   |
| ➤ Remark- All above results are well within MPCB Limits |  |                         |  |                               |  |

For Aquapharm Chemicals Pvt. Ltd.

*[Signature]*  
Authorised Signatory



*[Signature]*  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.

Register Office Address :

C-7, Omkar Kudale Patil Estate, Manik  
Baugh, Sinhgad Road, Pune - 411051.  
+91 20 2435 6133  
+91 90961 85285 / +91 91585 60571

Branch Office Address :

1151, E-ward, Saroj Sankul, Flat No. B-204,  
Near Swayamsiddha Trust Building,  
Sykes Extension, Kolhapur - 415116  
+91 98343 07334 / +91 90961 85285

CERTIFICATIONS

ISO 9001 : 2015  
ISO 14001 : 2015  
ISO 45001 : 2018



# EHS MATRIX

PRIVATE LIMITED

📍 Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,  
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.  
☎ +91 91585 60571 / +91 95796 84751 / +91 90961 85285  
🌐 www.ehsmatrix.co.in ✉ ehsmatrixpune@gmail.com

## TEST REPORT

| Report No:  | EHSM/2025/Sept/762  | Issue Date              | 30/09/2025   |                               |  |
|---|---|-------------------------|--|-------------------------------|--|
| Name and Address of Customer                            | M/s Aquapharm Chemicals Pvt. Ltd.,<br>K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area, MIDC, Mahad,<br>Dist. Raigad 402 302 |                         |  |                               |  |
| Sample Name   | Stack of DG No. 02  | Sample Description      | 30 Min   |                               |  |
| Date of Sampling  | 23/09/2025  | Sampling Procedure      | CPCB Guideline on methodologies for source emission monitoring |                               |  |
| Sampling Location                                       | DG No.2 1500 KVA  |                         |  |                               |  |
| Sampling done by  | EHS Matrix Pvt Ltd, Pune  |                         |  |                               |  |
| Sample Quantity   | Thimble 1 Nos and 30 ml Solution  |                         |  |                               |  |
| Start Date of Analysis                                  | 25/09/2025  | End Date of Analysis    | 29/09/2025   |                               |  |
| Name Of Instrument                                      | Stack Kit   | Date Of Calibration     | 26/06/2025   |                               |  |
| Calibration Certificate No.                             | TECH/CAL/2025/06. M/9-12  | Due Date Of Calibration | 25/06/2026   |                               |  |
| <b>Particulars of stack</b>                             |   |                         |  |                               |  |
| Stack attached to                                       | D. G. Set   |                         |  |                               |  |
| Stack Diameter  | 0.2   |                         |  |                               |  |
| Stack Height  | 30  |                         |  |                               |  |
| Stack Temp  | 544   |                         |  |                               |  |
| Stack velocity flue gases (m/s)                         | 16.0  |                         |  |                               |  |
| Stack volume of flue gases(Nm <sup>2</sup> /hr)         | 932.0   |                         |  |                               |  |
| Type of fuel  | Diesel  |                         |  |                               |  |
| <b>Results</b>  |   |                         |  |                               |  |
| Sr. No.   | Parameters  | Results                 | Unit(s)  | Specifications (MPCB Consent) | Methods  |
| 1   | Particulate Matter  | 60.0                    | mg/Nm <sup>3</sup>   | ≤ 150                         | CPCB Guideline on methodologies for source emission monitoring |
| 2   | Sulphur Dioxide (SO <sub>2</sub> )  | 1.2                     | Kg/day   | 312                           | IS 5182 (Part 2)   |
| 3   | Oxide of Nitrogen (NO <sub>x</sub> )  | 1.8                     | PPM  | 5                             | IS 5182 (Part 6)   |
| ➤ Remark- All above results are well within MPCB Limits |   |                         |  |                               |  |

For Aquapharm Chemicals Pvt. Ltd.

  
Authorized Signatory



  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.

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☎ +91 98343 07334 / +91 90961 85285

**CERTIFICATIONS**  
ISO 9001 : 2015  
ISO 14001 : 2015  
ISO 45001 : 2018

**Annexure 5 - MWML Membership**



Sustainability

## Mumbai Waste Management Ltd.

# Certificate

— of Membership —

M/s. Aquapharm Chemical Ltd

is a registered member of  
CHW-TSDF at MIDC –Taloja for  
safe and secure disposal of  
Hazardous waste with

Membership No: MWML – HZW – MHD- 289

Certificate No: 3602 - 1877

This Certificate is valid up to: 31<sup>st</sup> March 2026

Onkar Kulkarni  
Manager – MBD

Somnath Malgar  
Director

**Annexure 6 - Mock drill report**

Aquapharm Chemicals Pvt. Ltd.  
Mahad Unit

Issue No.01  
10.02.2023

Rev. 00

Doc # HSE&F / M drill / SOP 08/F-1

**TITLE: MOCK – DRILL REPORT**

Date : **26.04.2025**

Time of incident : **21.29 Hrs.**

All Clear Time : **21:43 Hrs.**

Duration of Drill : **14 Mins.**

Area / Plant : **New Chlorine gas cylinder Shed**

Equipment Involved : Chlorine gas tonner, Leak arrest kit, SCBA, Personnel Protection Equipments (PPE's)

Scenario : 1) There is an emergency Chlorine (Cl<sub>2</sub>) Gas leak from a cylinder valve in the new chlorine shed. Onsite Emergency Control Plan to be activated, Cl<sub>2</sub> gas leak emergency to be controlled, preparedness to be demonstrated by use of Cl<sub>2</sub> leak arrest kit, SCBA, with suitable PPE's,  
2) Evacuation plan to be demonstrated, medical help to the Casualty to be demonstrated by use of Ambulance van for rescue Of injured person On stretcher and then shifting via Ambulance To OHC.  
3) PPE's to be used, leaking cylinder to be identified with NH<sub>3</sub> Torch, tagged for identity and to be reported for further action.  
4) Suitable leak arrest kit to be selected for leak arresting, Cl<sub>2</sub> gas leakage to be arrested by proper fitting kit on cylinder and status to be reported.  
5) PA system use, emergency Siren use to be demonstrated as per onsite plan.  
6) Key personnel to be used and remaining personnel to be evacuated from plant safely, head counting and reporting.

Name Of. Observers : Mr. Sanjay Patil, Mr. Sudhir Naigade &  
Mr. Mahesh Patil at Incident spot

Main Controller : Dr. Sharad Potghan & Mr. Umesh Pardeshi

Incident Controller : Mr. Ramdas Karanjkar

First-Aid Team Members : Mr. Sudhir Sutar

Emergency Team Members : Mr. Umesh Malusare, Mr. Prathmesh Mahadik,  
Mr. Vicky Nagarkar

|   |                           |         |                                    |
|---|---------------------------|---------|------------------------------------|
| Aquapharm Chemicals Pvt.Ltd.<br>Mahad Unit    | Issue No.01<br>10.02.2023 | Rev. 00 | Doc # HSE&F / M drill / SOP 08/F-1 |
| <b>TITLE: XYLENE FIRE MOCK – DRILL REPORT</b> |                           |         |                                    |

### Sequence of Events:

| <b>Time</b>        | <b>Sequence of events &amp; actions taken</b>  | <b>Remark</b> |
|--------------------|--|---------------|
| 21:29 Hrs          | DCS Officer Mr.Balaji Gaikwad informed to Chlorine shed field officer Mr. Umesh Malusare about of Cl <sub>2</sub> gas leakage by gas detector. Mr. Umesh Malusare checked and confirmed with using NH <sub>3</sub> torch by using proper PPE   | Ok            |
| 21:30 Hrs          | Field officer Mr. Umesh Malusare informed about leaked cylinder through valve to DCS officer Mr.Balaji Gaikwad and Incident controller (Shift incharge) Mr. Ramdas Karanjkar   | Ok            |
| 21:30 Hrs to 21:31 | Chlorine shed field officer Mr. Umesh Malusare again rushed to spot with wearing canister mask. Checked leaking cylinder with NH <sub>3</sub> torch , marked cylinder for identity and reported to Incident controller about hazard, Mr. Ramdas Karanjkar (Incident controller) immediately call to Mr. Umesh Pardeshi (GM Production) & Site main controller (Dr. Sharad Potghan) brief about situation | Ok            |
| 21:31 to 21:32 Hrs | IC gave instruction to DCS Officer (Mr.Balaji Gaikwad) for signal to blow emergency siren for alert the employees, contract workers, drivers etc.  | Ok            |
| 21:32 to 21:34 Hrs | After considering the situation IC (Mr. Ramdas Karanjkar) instructed to DCS officer to blow evacuation siren in response to Emergency evacuation Siren, PA, the employees, contract workers, drivers evacuated plant safely being Cl <sub>2</sub> Gas emergency leak.  | Ok            |

| <b>Time</b>         | <b>Sequence of events &amp; actions taken</b>   | <b>Remark</b> |
|---------------------|---|---------------|
| 21:34 to 21:37 Hrs  | An emergency response team started work, arrested emergency gas leakage by using emergency chlorine kit with wearing PPE's (SCBA), checked and confirmed no further leakage then reported to Mr. Ramdas Karanjkar (IC) & Dr. Sharad Potghan (SMC) | Ok            |
| 21:37 Hrs.          | IC after checking confirmed, Emergency Response Team (ERT) reported, there one person have injury to left leg during attending gas leakage. So, called ambulance for him, wind direction informed on PA. Ambulance reported to the spot.          | Ok            |
| 21:37 to 21:39 hrs. | From Assembly point sent ambulance for first aid of injured person and ambulance reached at OHC & first aid given to injured person.  | Ok            |
| 21:41 hrs.          | SMC enquired emergency over & head count matched then indicated for all clear situation with siren, announcement on PA system.  | Ok            |
| 21:41 to 21:43 hrs. | Mr. Ramdas Karanjkar explained emergency siren modes, how to respond , Do's and Don'ts during drill to all assembled at Common assembly point<br>Good observation shared to maintain and lacunas for improvements                                 | Ok            |

### **Suggestions/ Recommendations from Observers:**

#### **Positive observations:**

- ✓ Total Time taken for mock drill 14 Minutes.
- ✓ Employees & Contract workers Evacuation was in 3-4 Min.
- ✓ SCBA, PPE's wearing, use demonstration was in order.
- ✓ Debriefing to all assembled was in order at assembly point.
- ✓ Ambulance response, casualty help Demo was in order.



**Employees while arresting Cl<sub>2</sub> Gas leak using Leak arrest Kit and PPE's**



**Employees while rescuing casualty for medical help**



**Assembled employees & contract workers at assembly point**

## Recommandations for improvèment : -

| Sr. No. | Observation   | Action Being Taken  | Responsibility     | Compliance Status | Remarks |
|---------|---|---|--------------------|-------------------|---------|
| 1       | It has been observed that the siren system in the maintenance area is emitting a sound that is unclear or difficult to hear.                                | Need to check and ensure , Take corrective action   | Mr Deshmukh        | Completed         | --      |
| 2       | It has been observed that during emergency situations at the site, the Security Incharge is not informing to Dr. Sharad Potghan sir regarding the incident. | The Security Incharge is required to promptly inform Dr. Sharad Potghan regarding the incident. | Mr Parshuram Patil | Completed         | --      |
| 3       | There is no proper illumination at evacuation point.  | Need to be proper illumination  | Mr Shingate        | Completed         | --      |

**Annexure 7 - Product MSDS**

## Safety data sheet

**According to Regulation (EC) No. 1907/2006 (REACH)  
withits amendment Regulation (EU) 2020/878**

Printing date 30.10.2023

Version number 1.0

Revision: 30.10.2023

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### · 1.1 Product identifier

· **Trade name:** Aquacid 1014EX

#### · **Chemical Identification**

Tetrasodium hydrogen 2-phosphonatobutane-1,2,4-tricarboxylate; 2- Phosphonobutane-1, 2, 4-tricarboxylic acid tetra sodium salt; PBTC 4Na

· **CAS Number:** 66669-53-2

· **EC number:** 266-442-3

· **Registration number** 01-2119970307-34-0001

· **UFI:** 3340-M0TJ-K002-TK6E

#### · **1.2 Relevant identified uses of the substance or mixture and uses advised against**

Detergent and Cleaning Applications

Industrial Water Treatment

Oilfield

Textiles & Paper application

#### · **Application of the substance / the mixture**

Additive for cleaning/washing agents, personal care products bleach stabilisation, industrial water treatment, metal surface treatment, oilfield water systems, paper industry, textile industry, water desalination systems, complexing agent.

#### · **Only representative Details**

Labcorp Early Development Services GmbH

Kesselfeld 29, 48163 Münster

Germany

Tel: +49 251 32 74 90 00

e-mail: OR-EU@covance.com

#### · **1.3 Details of the supplier of the safety data sheet**

##### · **Manufacturer/Supplier:**

Aquapharm Chemicals Pvt. Ltd., 9th & 10th Floor,

Amar Synergy12 B,

Sadhu Vaswani Road, Pune 411001, INDIA

##### · **Further information obtainable from**

E-mail: techsupport@aquapharm.net

Tel: +91 98609 90014

##### · **1.4 Emergency telephone number:**

Emergency telephone number: Tel.: Chemtel: +1-813-248-0585 (MIS0006730) - 24 hours

E-mail: ers@chemtelinc.com

During normal office hours (INDIA): 0091/20/6609000

Other Comments (e.g.Language of the phone service):English

### SECTION 2: Hazards identification

#### · **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

(Contd. on page 2)

**Safety data sheet**  
**According to Regulation (EC) No. 1907/2006 (REACH)**  
**withits amendment Regulation (EU) 2020/878**

Printing date 30.10.2023

Version number 1.0

Revision: 30.10.2023

**Trade name: Aquacid 1014EX**

(Contd. of page 1)

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Supplemental information:**  
 EUH210 Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

- **3.2 Mixture**
- **Identification number(s)**
- **EC number:** 266-442-3
- **Nanoform** Not applicable
- **Description:** Chemical name: 2-Phosphonobutane -1, 2, 4-tricarboxylic acid tetra sodium salt

· **Mixture components:**

|                   |  |          |
|-------------------|--|----------|
| CAS: 66669-53-2   | Tetrasodium hydrogen 2-phosphonatobutane-1,2,4-tricarboxylate;; PBTC 4Na | 40-42.5% |
| EINECS: 266-442-3 |  |          |

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information:** Immediately contact Physician/doctor if required.
- **After inhalation:** Remove patient to fresh air, keep warm and at rest, administer oxygen if necessary.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:** Symptomatic treatment is advised.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
 No further relevant information available.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Water spray, foam, dry chemical, or carbon dioxide.

(Contd. on page 3)

## Safety data sheet

### According to Regulation (EC) No. 1907/2006 (REACH) withits amendment Regulation (EU) 2020/878

Printing date 30.10.2023

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Trade name: Aquacid 1014EX

(Contd. of page 2)

- **For safety reasons unsuitable extinguishing agents:** None Known
- **5.2 Special hazards arising from the substance or mixture** Can release CO, CO<sub>2</sub>, P<sub>x</sub>O<sub>y</sub> and Phosphines.
- **5.3 Advice for firefighters** Wear self-contained breathing apparatus and suitable protective clothing.
- **Protective equipment:** Wear self-contained respiratory protective device.

#### SECTION 6: Accidental release measures

##### · 6.1 Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Protective Equipment Use personal protection recommended in section 8 Emergency Procedures Evacuate the spill area safely to permit authorised personnel to handle the spill.

For Emergency Responders:

Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

##### · 6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

##### · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

If spillage occurs on the public highway, indicate the danger and notify the authorities (police, fire brigade).

##### · 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

#### SECTION 7: Handling and storage

##### · 7.1 Precautions for safe handling

- **Information about fire - and explosion protection:** No special measures required.

##### · 7.2 Conditions for safe storage, including any incompatibilities

Unsuitable packing and storage material:

Do not store in metal containers such as carbon steel, aluminium etc.

##### · **Storage:**

##### · **Requirements to be met by storerooms and receptacles:**

Store above freezing point.

Keep in a cool, well-ventilated place.

##### · **Information about storage in one common storage facility:**

Keep container tightly sealed.

Storage facilities should be dry.

##### · **Further information about storage conditions:**

Packing Material:

Suitable packing and storage material:

(Contd. on page 4)

## Safety data sheet

**According to Regulation (EC) No. 1907/2006 (REACH)  
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Printing date 30.10.2023

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Revision: 30.10.2023

**Trade name: Aquacid 1014EX**

(Contd. of page 3)

SS 316L (only for transportation purpose), original containers or metal containers with glass, PVC, PP, PE or GRP lining.

Shelf Life - 24 Months

· **Storage class:** 12

· **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection** Goggles recommended during refilling

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Liquid

· **Colour:**

Clear Colourless to pale yellow

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

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Trade name: Aquacid 1014EX

(Contd. of page 4)

|   |  |
|---|--|
| · <b>Melting point/freezing point:</b>                              | Not applicable                                   |
| · <b>Boiling point or initial boiling point and boiling range</b>   | Decomposes before boiling                        |
| · <b>Flammability</b>   | Not applicable.                                  |
| · <b>Lower and upper explosion limit</b>                            |  |
| · <b>Lower:</b>   | Not determined.                                  |
| · <b>Upper:</b>   | Not determined.                                  |
| · <b>Flash point:</b>   | Not applicable.                                  |
| · <b>Decomposition temperature:</b>                                 | Not determined.                                  |
| · <b>pH at 25 °C</b>  | 7.5–9.5 (2% solution)                            |
| · <b>Viscosity:</b>   |  |
| · <b>Kinematic viscosity</b>  | Not determined.                                  |
| · <b>Dynamic:</b>   | Not determined.                                  |
| · <b>Solubility</b>   |  |
| · <b>water:</b>   | Fully miscible.                                  |
| · <b>Partition coefficient n-octanol/water (log value) at 25 °C</b> | -5.45 log KOW (QSAR)                             |
| · <b>Vapour pressure at 25 °C:</b>                                  | 0.0000000238 Pa (QSAR)                           |
| · <b>Vapour pressure:</b>   |  |
| · <b>Density and/or relative density</b>                            |  |
| · <b>Density at 25 °C:</b>  | 1.35 - 1.38 g/cm <sup>3</sup> (Specific Gravity) |
| · <b>Relative density</b>   | Not determined.                                  |

### · 9.2 Other information

|  |   |
|--|---|
| · <b>Appearance:</b>   |   |
| · <b>Form:</b>   | Liquid  |
| · <b>Important information on protection of health and environment, and on safety.</b> |   |
| · <b>Ignition temperature:</b>   | Product is not selfigniting.                  |
| · <b>Explosive properties:</b>   | Product does not present an explosion hazard. |
| · <b>Change in condition</b>   | Not Determined                                |
| · <b>Evaporation rate</b>  | Not determined.                               |
| · <b>Explosives</b>  | Not applicable                                |
| · <b>Flammable gases</b>   | Not applicable                                |
| · <b>Aerosols</b>  | Not applicable                                |
| · <b>Oxidising gases</b>   | Not applicable                                |
| · <b>Gases under pressure</b>  | Not applicable                                |
| · <b>Flammable liquids</b>   | Not applicable                                |
| · <b>Flammable solids</b>  | Not applicable                                |
| · <b>Self-reactive substances and mixtures</b>   | Not applicable                                |
| · <b>Pyrophoric liquids</b>  | Not applicable                                |
| · <b>Pyrophoric solids</b>   | Not applicable                                |
| · <b>Self-heating substances and mixtures</b>  | Not applicable                                |

(Contd. on page 6)

## Safety data sheet

According to Regulation (EC) No. 1907/2006 (REACH)  
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Printing date 30.10.2023

Version number 1.0

Revision: 30.10.2023

Trade name: Aquacid 1014EX

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- |  |                |
|--|----------------|
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Not applicable |
| · <b>Oxidising liquids</b>   | Not applicable |
| · <b>Oxidising solids</b>  | Not applicable |
| · <b>Organic peroxides</b>   | Not applicable |
| · <b>Corrosive to metals</b>   | Not applicable |
| · <b>Desensitised explosives</b>   | Not applicable |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** Reacts with acids, metals and oxidising agents.
- **10.2 Chemical stability** Stable under normal conditions of storage and transport.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
Reacts vigorously with alkalis, metals and oxidising agents.  
Can liberate flammable hydrogen gas on reaction with metals.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Alkalis, metals and oxidising agents.
- **10.6 Hazardous decomposition products:**  
Carbon monoxide, carbon dioxide, phosphines, phosphorous oxides (PxOy)

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**  
All toxicological values expressed on active salt basis
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

|            |          |                                     |
|------------|----------|-------------------------------------|
| Oral       | LD50     | 8,300 mg/kg (rat)                   |
| Dermal     | LD50     | 4,000 mg/kg (rat)                   |
| Inhalative | LC50/4 h | 1,973 mg/l /mg/m <sup>3</sup> (rat) |

- **Skin corrosion/irritation**  
Species: Rabbit  
Duration: 4 h  
Method: OECD Guideline 404  
Result: Not irritating to skin
- **Serious eye damage/irritation**  
Species: Rabbit  
Duration: 24 hrs  
Result: Mild irritating
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

(Contd. on page 7)

**Safety data sheet**  
**According to Regulation (EC) No. 1907/2006 (REACH)**  
**withits amendment Regulation (EU) 2020/878**

Printing date 30.10.2023

Version number 1.0

Revision: 30.10.2023

**Trade name: Aquacid 1014EX**

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- **Germ cell mutagenicity**  
 In-Vitro: Negative  
 In-Vivo : Negative
- **Carcinogenicity** Not expected to be a carcinogen.
- **Reproductive toxicity**  
 NOEL (systemic toxicity): 424 mg/kg/day (males) and 633 mg/kg/day (females)  
 Species: Rat, Method: OECD TG 408  
 Conclusion: No signs on fertility
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**  
 The product does not contain substances with endocrine disrupting properties.
- **Repeated dose toxicity**  
 Species: Rat  
 Route of administration: Oral  
 Duration: 90 day  
 NOAEL: >5000 mg/l  
 Method: OECD 408  
 Conclusion: No classification is proposed for repeated dose toxicity
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

\*

**SECTION 12: Ecological information**

- **12.1 Toxicity**  
 (All Eco-toxicological values expressed on active acid basis)

Short-term toxicity on Fish:  
 Species: Brachydanio rerio (new name: Danio rerio)  
 Duration: 96 h  
 LC50: > 1042 mg/L  
 Method: Equivalent to OECD Guideline 203

Short term toxicity on Invertebrates:  
 Species: Daphnia magna  
 Duration: 48 h  
 EC50: > 1071 mg/L

Toxicity on Algae:  
 Species: Scenedesmus subspicatus  
 Duration: 72 hrs  
 EC50: 140 mg/L

(Contd. on page 8)

**Safety data sheet**  
**According to Regulation (EC) No. 1907/2006 (REACH)**  
**withits amendment Regulation (EU) 2020/878**

Printing date 30.10.2023

Version number 1.0

Revision: 30.10.2023

**Trade name: Aquacid 1014EX**

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NOEC: 17.8 mg/L

Toxicity on microorganisms:

Method: OECD 209

Species: activated sludge of a predominantly domestic sewage

Duration: 3 h

EC50: > 1000 mg/L

· **12.2 Persistence and degradability** Not readily biodegradable.

· **12.3 Bioaccumulative potential** Not expected to bioaccumulate

· **12.4 Mobility in soil** Koc of 0.001756 L/kg.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

\*

**SECTION 13: Disposal considerations**

· **13.1 Waste treatment methods**

· **Recommendation** Smaller quantities can be disposed of with household waste.

· **European waste catalogue**

For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used. It is among the tasks of the polluter to assign the waste to waste codes Hazardous waste The classification of the product does not meet the criteria for a hazardous waste as per Annex III of DIRECTIVE 2008/98/EC.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

\*

**SECTION 14: Transport information**

· **14.1 UN number or ID number**

· **ADR/RID/ADN, IATA**

Not Regulated

· **IMDG**

Not regulated

(Contd. on page 9)

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Revision: 30.10.2023

Trade name: Aquacid 1014EX

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|  |                                 |
|--|---------------------------------|
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR/RID/ADN, IMDG, IATA</b>          | Not Regulated                   |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR/RID/ADN</b><br>· <b>Class</b> | not regulated<br>Not Applicable |
| · <b>ADN, IMDG, IATA</b><br>· <b>ADN/R Class:</b>                                  | not regulated<br>Not applicable |
| · <b>14.4 Packing group</b><br>· <b>ADR/RID/ADN</b><br>· <b>IMDG, IATA</b>         | Not Regulated<br>Not regulated  |
| · <b>14.5 Environmental hazards:</b>   | Not applicable.                 |
| · <b>14.6 Special precautions for user</b>   | Not applicable.                 |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b>              | Not applicable.                 |

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients listed`

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

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Revision: 30.10.2023

**Trade name: Aquacid 1014EX**

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· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** Chemical Safety Assessment has been carried out for active component.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Regulatory Department

· **Contact:** Refer Section 1 for emergency contact

· **Date of previous version:** 14.07.2023

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

**Annexure 8 - ETP & STP outlet BOD  
analysis report**



# EHS MATRIX

PRIVATE LIMITED

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Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.  
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www.ehsmatrix.co.in ehsmatrixpune@gmail.com

## TEST REPORT

| Report No:   | EHSM/2025/Sep/781   | Issue Date           | 30/09/2025 |         |   |
|--|---|----------------------|------------|---------|---|
| Name and Address of Customer                       | M/s Aquapharm Chemicals Pvt. Ltd.,<br>K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area, MIDC, Mahad,<br>Dist. Raigad 402 302 |                      |            |         |   |
| Sample Name  | Waste Water   | Sample Description   | ETP Outlet |         |   |
| Date of Sampling                                   | 23/09/2025  | Sampling Time        | 12.30 PM   |         |   |
| Sampling Location                                  | ETP Plant   | Sampling Procedure   | APHA 1060  |         |   |
| Sampling done by                                   | EHS Matrix Pvt. Ltd., Pune  | Sample Quantity      | 02 L       |         |   |
| Start Date of Analysis                             | 25/09/2025  | End Date of Analysis | 29/09/2025 |         |   |
| <b>Results</b>                                     |   |                      |            |         |   |
| Sr. No.  | Parameters  | Results              | Unit(s)    | Limits  | Methods                                   |
| 1  | pH at 25°C  | 8.28                 | --         | 6.0-8.5 | APHA 4500 H+ B, 24th Ed.2023              |
| 2  | Total Suspended Solids TSS  | <5.0                 | mg/L       | <100    | APHA 2540 D, 24th Ed.2023                 |
| 3  | Total Dissolved Solids  | 556                  | mg/L       | <2100   | APHA 2540 C, 24th Ed.2023                 |
| 4  | Biochemical Oxygen Demand BOD at 27°C for 3 days  | 15.9                 | mg/L       | <30     | IS 3025 (Part 44):2019                    |
| 5  | Chemical Oxygen Demand COD  | 51.5                 | mg/L       | <250    | IS 3025 (Part 58):2017                    |
| 6  | Oil & Grease  | <5.0                 | mg/L       | 10      | APHA 5520 B, 24th Ed.2023                 |
| 7  | Sulphate (as SO <sub>4</sub> )  | 21.4                 | mg/L       | 1000    | IS 3025 (Part 24/Sec 1):2022              |
| 8  | Chloride (as Cl <sup>-</sup> )  | 174.7                | mg/L       | 600     | APHA 4500 Cl <sup>-</sup> B, 24th Ed.2023 |
| 9  | Zinc (as Zn)  | <0.5                 | mg/L       | 3       | APHA 3111 B, 24th Ed.2023                 |
| 10   | Iron (as Fe)  | <0.5                 | mg/L       | 3       | APHA 3111 B, 24th Ed.2023                 |
| Remark - All parameters are within the MPCB limit. |   |                      |            |         |   |

For Aquapharm Chemicals Pvt. Ltd.

Authorized Signatory



Authorized Signatory  
Mr. Rahul Patil  
(Director)

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Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.

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CERTIFICATIONS  
ISO 9001 : 2015  
ISO 14001 : 2015  
ISO 45001 : 2018



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🌐 www.ehsmatrix.co.in ✉ ehsmatrixpune@gmail.com

## TEST REPORT

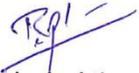
|                              |   |                      |            |
|------------------------------|---|----------------------|------------|
| Report No:                   | EHSM/2025/Sep/779   | Issue Date           | 30/09/2025 |
| Name and Address of Customer | M/s Aquapharm Chemicals Pvt. Ltd.,<br>K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area, MIDC, Mahad,<br>Dist. Raigad 402 302 |                      |            |
| Sample Name                  | Waste Water   | Sample Description   | STP Outlet |
| Date of Sampling             | 23/09/2025  | Sampling Time        | 12.05 PM   |
| Sampling Location            | STP Plant   | Sampling Procedure   | APHA 1060  |
| Sampling done by             | EHS Matrix Pvt. Ltd., Pune  | Sample Quantity      | 02 L       |
| Start Date of Analysis       | 25/09/2025  | End Date of Analysis | 29/09/2025 |

## Results

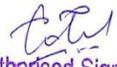
| Sr. No. | Parameters                                       | Results | Unit(s) | Limits | Methods                                  |
|---------|--|---------|---------|--------|--|
| 1       | pH at 25°C                                       | 7.48    | --      | --     | APHA 4500 H <sup>+</sup> B, 24th Ed.2023 |
| 2       | Total Suspended Solids TSS                       | 20.4    | mg/L    | <50    | APHA 2540 D, 24th Ed.2023                |
| 4       | Biochemical Oxygen Demand BOD at 27°C for 3 days | 26.0    | mg/L    | <30    | IS 3025 (Part 44):2019                   |
| 5       | Chemical Oxygen Demand COD                       | 84.0    | mg/L    | <100   | IS 3025 (Part 58):2017                   |

Remark - All above parameters are within the MPCB limit.



  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

For Aquapharm Chemicals Pvt. Ltd.

  
Authorised Signatory

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