

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

Proposal No	SEAC -2013/CR-550/ TC-2
Compliance ID	126806830
Compliance Number(For Tracking)	EC/M/COMPLIANCE/126806830/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	12-06-2025
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	MAHARASHTRA
RO/SRO Office Address	Integrated Regional Offices, Nagpur
Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, MAHARASHTRA with Notification to Project Proponent.	

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: October 2024 to March 2025**) for
M/s. Aquapharm Chemicals Pvt. Ltd. Plot No. K-3/1, K-3/2, K- 3/3, MIDC Mahad, Tal-Mahad, Dist.-
Raigad

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

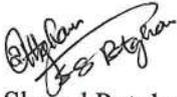
Respected Sir/Madam,

With reference to above EC, We are herewith submitting compliance of general conditions for Aquapharm
Chemicals Pvt. Ltd. Plot K-3/1,2&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. Regional Officer, Raigad, Maharashtra Pollution Control Board, 6th floor, Raigad Bhavan, Sector 11, CBD
Belapur, Navi Mumbai.
2. Sub-Regional Officer, Maharashtra Pollution Control Board, Mahad, Samaik Suvidha Kendra Building,
MIDC-Mahad, Dist- Raigad-402309

Aquapharm Chemical Limited

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

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

P: 96079 69237 / 38 / 99210 07966 / 83800 87198 | F: +91 20 2605 3396 | E: pcbl.investor@rpsg.in | 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 Jun(01 Oct - 31 Mar)****Acknowledgement**

Proposal Name	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.		
Name of Entity / Corporate Office	Mr. Avinash Dattaram Khaire		
Village(s)	N/A		
District	RAIGAD		
Proposal No.	SEAC -2013/CR-550/TC-2	Category	Industrial Projects - 3
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	MAHARASHTRA	Entity's PAN	*****7014R
MoEF File No.	SEAC -2013/CR-550/TC-2	Entity name as per PAN	AQUAPHARM CHEMICALS PRIVATE LIMITED

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	Nil
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office Mr. Avinash Dattaram Khaire

	Project Area as per EC Granted	Actual Project Area in Possession
Private	73547	62899
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	73547	62899

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	43.27 MT/D	95.3
2	Amine Phosphonates	Others:MT/Day	31/01/2026	24.1	4.70 MT/D	24.1
3	Salt of Alkyl Phosphonates	Others:MT/Day	31/01/2026	46	16.44 MT/D	46
4	Salt of Amine Phosphonates	Others:MT/Day	31/01/2026	40	13.17 MT/D	40
5	Polymers	Others:MT/Day	31/01/2026	28	5.80 MT/D	28
6	Ecofriendly Products	Others:MT/Day	31/01/2026	27	3.07 MT/D	27
7	Hallogen Derivaties	Others:MT/Day	31/01/2026	123	85.22 MT/D	123

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: 03/06/2025
2	Risk Mitigation and Disaster Management	Project Proponent shall be responsible for end disposal of hazardous waste to authorized dealer.
PPs Submission: Complied Pl see Annexure -5, attached for MWML Membership		Date: 03/06/2025
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 Pl see Annexure -8, attached		Date: 03/06/2025
4	Statutory compliance	MPCB shall conduct regulate/ surprise checks to ensure maintenance of emission standards as per laid down norms.
PPs Submission: Complied Yes, MPCB carried out visits to factory		Date: 03/06/2025
5	WATER QUALITY MONITORING AND PRESERVATION	PP to install RO plant.

PPs Submission: Complied RO plant installed and in operation		Date: 03/06/2025
6	Statutory compliance	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
PPs Submission: Complied Noted		Date: 03/06/2025
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
PPs Submission: Complied Water sprinkling practiced, Pl see Annexure -1, attached for AAQM		Date: 03/06/2025
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.
PPs Submission: Complied Pl see Annexure -1 attached for AAQM		Date: 03/06/2025
9	Human Health Environment	Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area
PPs Submission: Complied Noted		Date: 03/06/2025
10	Human Health Environment	Proper housekeeping programmers shall be implemented.
PPs Submission: Complied Yes		Date: 03/06/2025
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.
PPs Submission: Complied Noted		Date: 03/06/2025
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).
PPs Submission: Complied Pl see Annexure -4, attached for DG stack monitoring		Date: 03/06/2025
13	WATER QUALITY MONITORING AND PRESERVATION	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.

PPs Submission: Complied Yes, rainwater being harvested		Date: 03/06/2025
14	WATER QUALITY MONITORING AND PRESERVATION	Arrangement shall be made that effluent and storm water does not get mixed.
PPs Submission: Complied Storm drains and plant drains separated		Date: 03/06/2025
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.
PPs Submission: Complied Noted		Date: 03/06/2025
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.
PPs Submission: Complied Pl see Annexure 2 attached		Date: 03/06/2025
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.
PPs Submission: Complied Pl see Annexure -2, attached for Noise monitoring		Date: 03/06/2025
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.
PPs Submission: Complied Guidelines followed, Pl see Annexure -3, attached for Plant Species List		Date: 03/06/2025
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.
PPs Submission: Complied Noted		Date: 03/06/2025
20	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
PPs Submission: Complied Yes, record maintained as per Factories Act.		Date:

			03/06/2025
21	Human Health Environment	The company shall make arrangement for protection of possible fire hazards during manufacturing process in the material handling.	
PPs Submission: Complied Yes			Date: 03/06/2025
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.	
PPs Submission: Complied Pl see Annexure -5, attached for CHWTSDF membership of MWML			Date: 03/06/2025
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.	
PPs Submission: Complied Noted.			Date: 03/06/2025
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.	
PPs Submission: Complied Pl see Annexure -6, attached for Mock drill Report			Date: 03/06/2025
25	MISCELLANEOUS	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	
PPs Submission: Complied Yes, established			Date: 03/06/2025
26	Human Health Environment	Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of ash.	
PPs Submission: Complied Yes			Date: 03/06/2025
27	WASTE MANAGEMENT	Separate silos will be provided for collecting and storing bottom ash and fly ash.	
PPs Submission: Complied Yes			Date: 03/06/2025
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.
PPs Submission: Complied Noted		Date: 03/06/2025
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 http://ec.maharashtra.gov
PPs Submission: Complied Noted		Date: 03/06/2025
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.
PPs Submission: Complied Noted		Date: 03/06/2025
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.
PPs Submission: Complied Noted		Date: 03/06/2025
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, SO2, NOx (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.
PPs Submission: Complied Noted		Date: 03/06/2025
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
PPs Submission: Complied		Date:

Noted		03/06/2025
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.
PPs Submission: Complied Noted		Date: 03/06/2025
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.
PPs Submission: Complied Noted		Date: 03/06/2025
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.
PPs Submission: Complied Noted		Date: 03/06/2025
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.
PPs Submission: Complied Noted		Date: 03/06/2025
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.
PPs Submission: Complied Noted		Date: 03/06/2025
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 Noted		Date: 03/06/2025
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 Noted		Date: 03/06/2025
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 Noted		Date: 03/06/2025
Visit Remarks		
Last Site Visit Report Date:		06/04/2023
Additional Remarks:		No
<p>Note: 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

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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/Mar/523	Issue Date	26/03/2025		
Name and Address of Customer	M/s Aquapharm Chemicals Pvt. Ltd., K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area, MIDC, Mahad, Dist. Raigad 402 302				
Sample Name	Stack of Coal Fire Boiler	Sample Description	-		
Date of Sampling	17/03/2025	Sampling duration	60 Min		
Sampling Location	Coal Fire Boiler	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I		
Dry bulb temperature	30°C	Wet bulb temperature	25°C		
Relative Humidity	72%	Sampling done by	EHS Matrix Pvt Ltd, Pune		
Start Date of Analysis	20/03/2025	End Date of Analysis	26/03/2025		
Name Of Instrument	Rota Meter-Handy Sampler	Date Of Calibration	27/06/2024		
Calibration Certificate No.	TECH/CAL/2024/06.D/9-12	Due Date Of Calibration	26/06/2025		
PARTICULARS OF STACK					
Stack Attached to	Coal Fired Boiler				
Stack Diameter (Meter)	1.2				
Stack Height (Meter)	40				
Stack Temperature (°C)	116				
Stack Velocity of Flue Gases (m/s)	6.4				
Stack Velocity of Flue Gases (Nm ³ /hr)	24212.0				
Type of Fuel	Coal				
Results					
Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Sulphur Dioxide(SO ₂)	17.0	Kg/Day	360	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO ₂)	4.0	PPM	5	IS 5182 (Part 6)
3	Total Particulate Matter (TPM)	58.0	Mg/ Nm ³	150	CPCB Guideline for measurement of Ambient Air pollutants Volume I
➤ Remark- All above results are well within MPCB Limits					

For Aquapharm Chemicals Pvt. Ltd.

Patel
Authorised Signatory



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

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📍 Branch Office Address :
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Near Swayamsiddha Trust Building,
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CERTIFICATIONS
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

Annexure 1.1 - AAQM monitoring report



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TEST REPORT

Report No:	EHSM/2025/Mar/520	Issue Date	26/03/2025
Name and Address of Customer	M/s Aquapharm Chemicals Pvt. Ltd., K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area, MIDC, Mahad, Dist. Raigad 402 302		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	17/03/2025	Sampling duration	1440 Min
Sampling Location	Near Filling Shed	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	33°C	Wet bulb temperature	27°C
Relative Humidity	68 %	Sampling done by	EHS Matrix Pvt Ltd, Pune
Start Date of Analysis	20/03/2025	End Date of Analysis	26/03/2025
Name Of Instrument	Flow Meter for- 2.5 µ, 10 µ, wins Impactor, Gases, Ambient Fine Dust Sampler M/C- 01	Date Of Calibration	27/06/2024
Calibration Certificate No	TECH/CAL/2024/06. D/1-4	Due Date Of Calibration	26/06/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide (SO ₂)	17.0	µg/m ³	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen (NO ₂)	21.0	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	63.0	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I.
4	Particulate Matter PM _{2.5}	28.0	µg/m ³	≤ 60	

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

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



Rahul Patil
Authorized Signatory
Mr. Rahul Patil
(Director)

For Aquapharm Chemicals Pvt. Ltd.

[Signature]
Authorised Signatory

Page 01 of 01

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TEST REPORT

Report No:	EHSM/2025/Mar/521	Issue Date	26/03/2025
Name and Address of Customer	M/s Aquapharm Chemicals Pvt. Ltd., K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area, MIDC, Mahad, Dist. Raigad 402 302		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	17/03/2025	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	33°C	Wet bulb temperature	27°C
Relative Humidity	68 %	Sampling done by	EHS Matrix Pvt Ltd, Pune
Start Date of Analysis	20/03/2025	End Date of Analysis	26/03/2025
Name Of Instrument	Flow Meter for- 2.5 µ, 10 µ, wins Impactor, Gauss, Ambient Fine Dust Sampler M/C- 02	Date Of Calibration	27/06/2024
Calibration Certificate No	TECH/CAL/2024/06. D/5-8	Due Date Of Calibration	26/06/2025

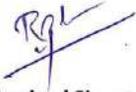
Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO ₂)	14.0	µg/m ³	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO ₂)	17.0	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	58.0	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	29.0	µg/m ³	≤ 60	

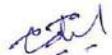
Remark- All above results is within National Ambient Air Quality standards.

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




Authorized Signatory
Mr. Rahul Patil
(Director)

For Aquapharm Chemicals Pvt. Ltd.


Authorised Signatory

Page 01 of 01

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TEST REPORT

Report No:	EHSM/2025/Mar/522	Issue Date	26/03/2025		
Name and Address of Customer	M/s Aquapharm Chemicals Pvt. Ltd., K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area, MIDC, Mahad, Dist. Raigad 402 302				
Sample Name	Air	Sample Description	Ambient Air		
Date of Sampling	17/03/2025	Sampling duration	1440 Min		
Sampling Location	Near CFB	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I		
Dry bulb temperature	33°C	Wet bulb temperature	27°C		
Relative Humidity	66 %	Sampling done by	EHS Matrix Pvt Ltd, Pune		
Start Date of Analysis	20/03/2025	End Date of Analysis	26/03/2025		
Name Of Instrument	Flow Meter for- 2.5 µ, 10 µ, wins Impactor, Gauss, Ambient Fine Dust Sampler M/C- 03	Date Of Calibration	27/06/2024		
Calibration Certificate No	TECH/CAL/2024/06. D/17-20	Due Date Of Calibration	26/06/2025		
Results					
Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO ₂)	13.0	µg/m ³	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO ₂)	18.0	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	56.0	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	28.0	µg/m ³	≤ 60	
Remark- All above results is within National Ambient Air Quality standards.					

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



R.P.
Authorized Signatory
Mr. Rahul Patil
(Director)

For Aquapharm Chemicals Pvt. Ltd.

Patil
Authorised Signatory

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Sykes Extension, Kolhapur - 415116
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CERTIFICATIONS
ISO 9001 : 2015
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ISO 45001 : 2018



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PRIVATE LIMITED

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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/Mar/519	Issue Date	26/03/2025		
Name and Address of Customer	M/s Aquapharm Chemicals Pvt. Ltd., K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area , MIDC, Mahad, Dist. Raigad 402 302				
Sample Name	Air	Sample Description	Ambient Air		
Date of Sampling	17/03/2025	Sampling duration	1440 Min		
Sampling Location	Near Main Gate	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I		
Dry bulb temperature	33°C	Wet bulb temperature	27°C		
Relative Humidity	67 %	Sampling done by	EHS Matrix Pvt Ltd, Pune		
Start Date of Analysis	20/03/2025	End Date of Analysis	26/03/2025		
Name Of Instrument	Flow Meter for- 2.5 μ ,10 μ , wins Impactor, Gauses, Ambient Fine Dust Sampler M/C- 04	Date Of Calibration	27/06/2024		
Calibration Certificate No	TECH/CAL/2024/06. D/21-24	Due Date Of Calibration	26/06/2025		
Results					
Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO ₂)	17.0	$\mu\text{g}/\text{m}^3$	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO ₂)	21.0	$\mu\text{g}/\text{m}^3$	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	68.0	$\mu\text{g}/\text{m}^3$	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	32.0	$\mu\text{g}/\text{m}^3$	≤ 60	
Remark- All above results are within National Ambient Air Quality standards.					

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



RPI
Authorized Signatory
Mr. Rahul Patil
(Director)

For Aquapharm Chemicals Pvt. Ltd.

RPI
Authorised Signatory

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ISO 45001 : 2018

Annexure 2 - Noise monitoring report



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

TEST REPORT

Report No:	EHSM/2025/Mar/541	Issue Date	26/03/2025		
Name and Address of Customer	M/s Aquapharm Chemicals Pvt. Ltd., K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area , MIDC, Mahad, Dist. Raigad 402 302				
Sample Name	Noise(A1)	Sample Description	Ambient Noise		
Date of Sampling	17/03/2025	Sampling duration	Spot Time		
Sampling done by	EHS Matrix Pvt. Ltd., Pune.				
Name Of Instrument	Sound Level Meter	Date Of Calibration	20/02/2024		
Calibration Certificate No.	SGS/2024/02/293	Due Date Of Calibration	19/02/2024		
Results					
Sr. No.	Locations	Result dB(A)		Day Time dB(A)	Night Time dB(A)
		Day	Night		
1	On Road between SPD & Utility building	67.3	67.4	75	70
2	Near Weighing Balance	60.9	64.1	75	70
3	Near Gate No.1	56.7	54.3	75	70
4	Near Gate No.3	62.1	55.9	75	70
5	Near Fabrication Shed (Project)	68.3	60.4	75	70
6	Near Old ETP	68.2	67.1	75	70
7	Nearby Ejector Tank	63.8	68.5	75	70
Remark-Limit as per As per MPCB guideline.					



R.P.
Authorized Signatory
Mr. Rahul Patil
(Director)

For Aquapharm Chemicals Pvt. Ltd.

R.P.
Authorised Signatory

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TEST REPORT

Report No:	EHSM/2025/Mar/543	Issue Date	26/03/2025		
Name and Address of Customer	M/s Aquapharm Chemicals Pvt. Ltd., K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area, MIDC, Mahad, Dist. Raigad 402 302				
Sample Name	Noise(A1)	Sample Description	Workzone Noise		
Date of Sampling	17/03/2025	Sampling duration	Spot Time		
Sampling done by	EHS Matrix Pvt. Ltd., Pune.				
Name Of Instrument	Sound Level Meter	Date Of Calibration	20/02/2024		
Calibration Certificate No.	SGS/2024/02/293	Due Date Of Calibration	19/02/2024		
Results					
Sr. No.	Locations	Result dB(A) Day	Result dB(A) Night	Day Time dB(A)	Night Time dB(A)
1	Old Filling Shed	64.6	60.7	90	90
2	Acetic Acid Unloading	73.1	58.3	90	90
3	1 st Floor Coal Fire Boiler	72.9	73.5	90	90
4	Ground Floor Amine Nearby R-2402B	75.0	72.8	90	90
5	Near ETP	69.2	66.7	90	90
6	Laboratory	70.2	63.6	90	90
7	Compactor	48.7	67.2	90	90
8	Big GFG Machine	66.5	68.2	90	90
Remark- ➤ Limit as per As per Maharashtra Factories Rules 1963 Schedule XXIV					



RP
Authorized Signatory
Mr. Rahul Patil
(Director)

For Aquapharm Chemicals Pvt. Ltd.

[Signature]
Authorised Signatory

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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>Emblica officinalis</i>	Amla	Euphorbiaceae
<i>Syzygium cumini</i>	Jamun	Myrtaceae

**Annexure 4 - DG stack monitoring
report**



EHS MATRIX

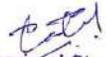
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TEST REPORT

Report No:	EHSM/2025/Mar/525	Issue Date	26/03/2025		
Name and Address of Customer	M/s Aquapharm Chemicals Pvt. Ltd., K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area , MIDC, Mahad, Dist. Raigad 402 302				
Sample Name	Stack of DG 01	Sample Description	-		
Date of Sampling	17/03/2025	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	20/03/2025	End Date of Analysis	26/03/2025		
Name Of Instrument	Stack Kit	Date Of Calibration	27/06/2024		
Calibration Certificate No.	TECH/CAL/2024/06. D/9-12	Due Date Of Calibration	26/06/2025		
Particulars of stack					
Stack attached to	D. G. Set				
Stack Diameter	0.2				
Stack Height	30				
Stack Temp	533				
Stack velocity flue gases (m/s)	15.0				
Stack volume of flue gases (Nm ² /hr)	1054.0				
Type of fuel	Diesel				
Results					
Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Particulate Matter	64.0	mg/Nm ³	≤ 150	CPCB Guideline on methodologies for source emission monitoring
2	Sulphur Dioxide (SO ₂)	1.5	Kg/day	312	IS 5182 (Part 2)
3	Oxide of Nitrogen (NO _x)	2.0	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)

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TEST REPORT

Report No:	EHSM/2025/Mar/526	Issue Date	26/03/2025		
Name and Address of Customer	M/s Aquapharm Chemicals Pvt. Ltd., K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area , MIDC, Mahad, Dist. Raigad 402 302				
Sample Name	Stack of DG No. 02	Sample Description	30 Min		
Date of Sampling	17/03/2025	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	20/03/2025	End Date of Analysis	26/03/2025		
Name Of Instrument	Stack Kit	Date Of Calibration	27/06/2024		
Calibration Certificate No.	TECH/CAL/2024/06. D/9-12	Due Date Of Calibration	26/06/2025		
Particulars of stack					
Stack attached to	D. G. Set				
Stack Diameter	0.2				
Stack Height	30				
Stack Temp	538				
Stack velocity flue gases (m/s)	16.0				
Stack volume of flue gases(Nm ² /hr)	922.0				
Type of fuel	Diesel				
Results					
Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Particulate Matter	67.0	mg/Nm ³	≤ 150	CPCB Guideline on methodologies for source emission monitoring
2	Sulphur Dioxide (SO ₂)	1.4	Kg/day	312	IS 5182 (Part 2)
3	Oxide of Nitrogen (NO _x)	2.0	PPM	5	IS 5182 (Part 6)
➤ Remark- All above results are well within MPCB Limits					

For Aquapharm Chemicals Pvt. Ltd.

[Signature]
Authorized Signatory



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

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ISO 45001 : 2018

Annexure 5 - MWML Membership



Sustainability

Mumbai Waste Management Ltd.

Certificate

of Membership

M/s. Advaya chemical Industries 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: 3602-1109

This Certificate is valid up to: 31ST 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 : **06.02.2025**

Time of incident : **11:30 Hrs.**

All Clear Time : **11:47 Hrs.**

Duration of Drill : **17 Mins.**

Area / Plant : **Yellow Phosphorus Drum Storage Yard**

Equipment Involved : Phosphorus Drum, Drum Trolley, Fire
Hose Reel, M-seal, and PPE's for safety.

Scenario : One of drum filled with Yellow Phosphorus (YP) in 2nd
row, where there is no access, started leaking, spilled
YP getting combusted giving flame with smoke from
bottom area of the drums.

Emergency Team to initiate action, stop combustion of
YP, identify leaking drum, take it out manually by use
of drum trolley by removing all obstructing drums in
the access to affected YP drum in the yard.

Drum to be laid on floor, locate leakage, apply M-seal
to fix it, then YP drum to be kept separate for
inspection, sending to PCI3 production for use.

Name Of. Observers : Mr. Sudhir Naigade & Mr. Abhijit Powar at Incident spot
Mr.S.M.Bankar at (ECC & Assembly point)

Main Controller : Mr. Santosh Choudhari

Incident Controller : Mr. Mahendra Gaikwad & Mr.Tendulkar

First-Aid Team Members : --

Emergency Team Members : 1) Mr.Sanjay Kharat 2) Mr.Akash Divekar

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

Sequence of Events:

Time	Sequence of events & actions taken	Remark
11.30 hrs to 11.32 hrs	Mr. Sachin Mahamunkar, Security officer first noticed fire smoke, from bottom area of stored YP drums in the yard. He, immediately informed observation to HEDP DCS officer (Mr.Balaji Gaikwad) and RM stores (Mr.Tendulkar)	Ok
11.32 hrs to 11.34 hrs	Incident controller Mr. Gaikwad Incident Controller (IC) who was available in HEDP plant after receiving communication from DCS officer came to YP yard. Mr. Gaikwad & Mr.Tendulkar (IC support) also came to incident spot, judged situation, took control, informed to blow emergency siren about alertness.	Ok
11.33 hrs to 11.35 hrs	Emergency siren blown, followed enouncement on PA system about emergency in YP yard, not to be panic, be alert at work place, do not leave work place and for waiting next instruction	Ok
11.35 hrs to 11.37 hrs	IC informed to PCI3 Plant about emergency sending two YP expert people at incident. IC support also instructed plant officer (Mr.Akash Divekar) Contract worker) about bringing drum trolley for shifting drums and PPE's for safety	Ok
11.37 hrs to 11.40 hrs	PCI3 officer (Mr.Akash Divekar) started fire fighting by use of nearest hose pipe of fire hydrant system, and controlled YP combustion.	Ok

Time	Sequence of events & actions taken	Remark
11.40 hrs to 11.43 hrs	Mr.Akash Divekar from PCI3 plant, took drum trolley, started shifting all 02 obstructing drum in the access of affected YP drum, Then took away affected drum from the other YP drums	Ok
11.43 hrs to 11.44 hrs	Mr.Akash Divekar rolled leaking YP drum on floor & applied M-seal on leaked portion of drum to avoid leakage and kept drum in horizontal position for shifting to use in production area.	Ok
11.44 hrs to 11.46 hrs	IC & its Back up and HSE officer inspected incident spot, to ensure no leakage, spillage of YP, accordingly reported status and all clear to Main Controller.	Ok
11.45 hrs to 11.47 hrs	DCS officer blown then blown siren to inform all clear situation, He also announced on PA system, about emergency in YP yard is over, do not be panic, siren blown was about informing all clear situation in the factory, and emergency is over, therefore personnel can start their routine work, Debriefing meeting was organized in the YP yard.	Ok

Suggestions/ Recommendations from Observers:

Positive observations:

- Total time required for Emergency drill was 17 Minutes.
- P. A. system via intercom communication during for emergency was working & found OK
- YP drum handling, fire and leak control, mitigation of spillage, PPE wearing and Emergency drum leak arresting, was in order, same to be maintained as good practice.
- Shift in charge (Incident Controller) reported at spot was in order but faced difficulties in mobile communication to Site Main Controlled, because of non availability of Walkie Talkie.
- Damaged wooden pallets kept in Phosphorus storage yard.

Recommandations for improvement : -

Sr. No.	Observation	Action Being Taken	Responsibility	Compliance Status	Remarks
1	Walkie Talkie set to be provided for emergency	Walkie Talkie to be provided	Instrument	Completed	--
2	Damaged wooden pallets kept in YP storage yard	Damaged wooden pallets shifted in scrap yard	Stores	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.

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- **For safety reasons unsuitable extinguishing agents:** None Known
- **5.2 Special hazards arising from the substance or mixture** Can release CO, CO₂, P_xO_y 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:

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

9.2 Other information

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

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- | | |
|--|----------------|
| · Substances and mixtures, which emit flammable gases in contact with water | Not applicable |
| · Oxidising liquids | Not applicable |
| · Oxidising solids | Not applicable |
| · Organic peroxides | Not applicable |
| · Corrosive to metals | Not applicable |
| · Desensitised explosives | 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 ³ (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.

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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

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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

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

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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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TEST REPORT

Report No:	EHSM/2025/Mar/546	Issue Date	26/03/2025
Name and Address of Customer	M/s Aquapharm Chemicals Pvt. Ltd., K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area, MIDC, Mahad, Dist. Raigad 402 302		
Sample Name	Waste Water	Sample Description	ETP Outlet
Date of Sampling	17/03/2025	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	21/03/2025	End Date of Analysis	25/03/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Limits	Methods
1	pH at 25°C	8.32	--	6.0-8.5	APHA 4500 H+ B, 23 rd Ed.2017
2	Total Suspended Solids TSS	<5.0	mg/L	<100	APHA 2540 D, 23 rd Ed.2017
3	Total Dissolved Solids	1222.0	mg/L	<2100	APHA 2540 C, 23 rd Ed.2017
4	Biochemical Oxygen Demand BOD at 27°C for 3 days	20.4	mg/L	<30	IS 3025 (Part 44):2019
5	Chemical Oxygen Demand COD	71.3	mg/L	<250	IS 3025 (Part 58):2017
6	Oil & Grease	<5.0	mg/L	10	APHA 5520 B, 23 rd Ed.2017
7	Sulphate (as SO ₄)	16.1	mg/L	1000	IS 3025 (Part 24/Sec 1):2022
8	Chloride (as Cl ⁻)	173.6	mg/L	600	APHA 4500 Cl ⁻ B, 23 rd Ed.2017
9	Zinc (as Zn)	<0.5	mg/L	3	APHA 3111 B, 23 rd Ed.2017
10	Iron (as Fe)	0.81	mg/L	3	APHA 3111 B, 23 rd Ed.2017

Remark - All parameters are within the MPCB limit.



Rg
Authorized Signatory
Mr. Rahul Patil
(Director)

For Aquapharm Chemicals Pvt. Ltd.

Rg
Authorised Signatory

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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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TEST REPORT

Report No:	EHSM/2025/Mar/544	Issue Date	26/03/2025
Name and Address of Customer	M/s Aquapharm Chemicals Pvt. Ltd., K-3/1, K-3/2, & K-3/3, Additional Mahad Industrial Area, MIDC, Mahad, Dist. Raigad 402 302		
Sample Name	Waste Water	Sample Description	STP Outlet
Date of Sampling	17/03/2025	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	21/03/2025	End Date of Analysis	25/03/2025

Results

Sr. No.	Parameters	Results	Unit(s)	Limits	Methods
1	pH at 25°C	7.73	--	--	APHA 4500 H ⁺ B, 23 rd Ed.2017
2	Total Suspended Solids TSS	10.1	mg/L	<50	APHA 2540 D, 23 rd Ed.2017
4	Biochemical Oxygen Demand BOD at 27°C for 3 days	14.2	mg/L	<30	IS 3025 (Part 44):2019
5	Chemical Oxygen Demand COD	49.6	mg/L	<100	IS 3025 (Part 58):2017

Remark - All above parameters are well within the MPCB limit.




Authorized Signatory
Mr. Rahul Patil
(Director)

For Aquapharm Chemicals Pvt. Ltd.


Authorized Signatory

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