



# Gujarat Pollution Control Board

PCB Id: 29509

( Inspection Report ) - Air,Water,Hazardous

(Under Section 23 of The Water Act 1974, Under Section 24 of The Air Act 1981 and Under Section 10 of EP Act 1986)

## 1 Industry Details general complaint

Outward No: 39944-29/10/2022

Email : PLOT NO:00,  
Ankleshwar, 00,  
Ankleshwar -  
Telephone : DIST : Ankleshwar, TAL : Ankleshwar, SIDC : Ankleshwar  
0000000000  
Inspection Id : 688408 ( On Complaint ) Ro Name : Ankleshwar

2 Type / Scale / Sector / Status : ORANGE / SMALL / / Complaint ID

3 Inspection Dt & Time : 30/09/2022 11:15 / Water Person Contacted : Hashmukh Parmar, complainant

4 Env Audit Detail : Sch : , , Year : , On Dt :

Commissioned Dt : Production Start Dt : 01/01/1999 Applicability of CRZ Rules : No

5 Water Consumption in Kilo Lts Per Day Ind : 2.000 Dom : 1.000 Borewells: 1

6 Waste Water generation / Discharge (klpd) : Ind : 2.000 Dom : 0.800 Tubewells: 0

7 Consumer No.(Electric Meter): Source of Water Supply: Borewell

8 Disposal Mode of Industrial / Domestic : Zero Discharge / Irrigation

9 Discharge Pt / Final Receiving Body (Ultimate): Zero discharge / No generation of industrial wastewater

10 Status of water consent Under the Water Act,1974: - Last Inward:

11 Effluent Treatment plant (ETP) : Units, if provided and status :

No Data

12 Whether Industry is a member of CETP ? No

13 Boilers=0 , DG Sets=0 , Flue Gas =0, Process =1 , ETP Cap = 0 , Capacity of All = 0.1

No Data

No Data

Stack Attached to : \*\*\* Not Applicable

14 TSDF Name : Not Regd with any TSDF

15 Lab Charges Pending : Rs. 68890.00 Water Cess Charges Pending : NIL

16 Last Env. Form V : --- Water Cess Return : HW Monthly Return : Defaulter

17 Last 3 Legal Action :

Insp Dt	Act	Leg Dt	For	Insp ID	IR-Leg	Type	Out No
10/10/2022	SCN	28/10/2022	---	690052	SCN	COM	687203
11/05/2022	SCN	06/09/2022	---	670659	SCN	NOT	686759
26/08/2022	NOT	13/10/2022	33A,,	683226	NOT	COM	686021



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## General Observation

a	-	Is the Industry in Operation ??	Yes	
a	-	R.O File No	ID:29509(11)	
b	-	<b>Industry Operating without CCA</b>	N.A	
c	-	<b>Has Production exceeded (last 3 MTHs) than CCA-Qty</b>	No.	
d	-	<b>Any products-NOT in CCA, manufactured-Last 3 MTHs</b>	No.	
e	-	<b>Foul Odour/Fugitive Emission/Bye Pass in Premises ??</b>	No.	
f	-	Industry Name CHANGED in recent times ??	No.	
g	-	<b>Has Regn with CETP or TSDF expired ??</b>	N.A	
h	-	Seperate Energy Meter for A.P.C.M ?	N.A	
h	-	Provision of any STAND-BY Pump ??	N.A	

## Water Parameter

b	-	Source of Water Supply	Borewell	
c	-	<b>W.W.G is EXCEEDING the CCA Limits</b>	No.	as per crux
d	-	<b>W.W Disposal as per the Consent Conditions ?</b>	Yes	
e	-	Was the ETP in operation ?	Not Applicable	
f	-	Treatment System ADEQUATE to handle existing effluent	Not Required	
g	-	<b>Did u observe ANY ILLEGAL Discharge ??</b>	No.	
h	-	Nos of Samples collected	08	

Remarks :

Note: EIA 2006 / SEIAA / E.C / MOEF Applicable : Yes

**Site Observations during Inspection, PCB-ID: ( 29509 )**



Inspection is carried out with reference to telephonic complaint received from Shri Hashmukh Parmar, Vill: Mandva, Tal: Ankleshwar, Dist: Bharuch to this office on 30/09/2022 regarding Fish kill in River Amravati at Amratpura village. In this regard, we have immediately visited the place and telephonically contacted to complainant. During visit, dead fishes are observed floating on River Amravati at low level bridge of village Amratpura. Dead fishes are observed on shore of River Amravati at Amratpura village low level bridge. One water sample from this location is collected for analysis purpose. At this point, one small domestic stream is also mixed with river which is coming from Amratpura village residential area. In downstream area of this location we have visited Navakansia village bridge where dead fish are not observed however one water sample is collected to check water quality of downstream area. Afterward, we have back traced the Amravati River stretch. Dead fishes are also observed at NH-8 highway bridge where dead fishes floating as well as on shore observed, one water sample is collected from the same. On upstream side Sarangpurkhadi is mixed with River Amravati in which domestic wastewater from Sarangpur village area and contaminated runoff from GIDC Ankleshwar area comes in case of bund wall near Ankleshwar GIDC pumping station C is overflowing. Water samples are collected from different location viz; upstream area of river Amravati before mixing sarangpur khadi, after mixing of sarangpur khadi and from sarangpur khadi. Scattered dead fishes are observed in stretch River Amravati after mixing sarangpur khadi. After that we have reached GIDC Ankleshwar pumping station C, during visit minor overflow of bund wall in front of GIDC pumping station C is observed and same was overflowing on 29/09/2022 as informed by operator of pumping station C as rain fall in this area was there. This overflowing contaminated water ultimately reaches to River Amravati through Sarangpurkhadi. Pumping was also observed going on to lift this contaminated water from bund wall to pumping station still bund wall is observed overflowing. This is mainly because of infrastructure issues to be addressed by NAA & AIA and 3-day notice was issued to Notified Area Authority Ankleshwar to take immediate corrective measures in this regard to prevent such incidences. Various samples are collected as per details mentioned in sample detail section and Google earth map showing water samples collected for analysis purpose on different locations of River Amravati is attached. Photographs taken during visit are also attached here with. [692]-22/10/2022

~ RO Query to Staff: pl discuss

[509]-28/10/2022~As discussed. [692]-28/10/2022

~ RO Comments/Reply :NoD may be issued.-29/10/2022

**I recommend : e. Recommend Notice of Dirn**

W.C Notings:

## **Specific Instructions given to Industry at the time of visit , for Pt to Pt Compliance**

1. આજરોજ અત્રેની કચેરીમાં અમરાવતી નદીમાં માછલીઓ મરવાની ટેલિફોનિક ફરિયાદનાં સંદર્ભે જીઆઈડીસી પમ્પીંગ સ્ટેશન- C ની મુલાકાત લેવામાં આવેલ. મુલાકાત સમયે જોવા મળેલ જે પમ્પીંગ સ્ટેશન- C દ્વારા Bund wall પહેલાંનું contaminated પાણી પમ્પ કરી પાછું લેવાની કામગીરી કાર્યરત હોવા છતાં Pumping station- C સામે આવેલ Bund wall over flow થતી જોવા મળેલ. જે આગળ જતા કુદરતી નાળા મારફત સારંગપુર ખાડી થકી અમરાવતી નદીમાં ભળે છે. આથી સદર overflow રોકવા તાત્કાલિક સુધારાત્મક પગલા હાથ ધરવા અને સદર ઘટનાનો Action taken report બોર્ડને રજુ કરવો. ભવિષ્યમાં આવું ન થાય તે બાબતે સુધારાત્મક પગલા હાથ ધરવા.

## **Compliance Observed in this Inspections.**



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Instructions in Previous Visits and Reply	Insp Det	Instruction Status
1. અત્રેની કચેરીમાં ટેલિફોનિક ફરિયાદ મળતા, જીઆઈડીસી પ્લોટ નં. 5804 કે જે જીઆઈડીસીની માલિકીનો હોય. સદર જગ્યા પર ખુલ્લામાં ચાર નંગ HDPE નાં drums અનાધિકૃત રીતે નિકાલ કરેલ માલૂમ પડેલ. સદર ડ્રમ્સો માંથી એક drum જમીન પર ઢળી પડેલ અને પુષ્કર પ્રમાણમાં એસીડીક ફ્યુન્સ આસ-પાસનાં વાતાવરણમાં ભળેલ જોવા મળેલ. સદર જગ્યામાં ઝાડીઝાખરા થી ધોરાયેલ હોય આ જગ્યાને વ્યવસ્થિત સાફ-સફાઈ કરી ફેન્સીંગ કરીને વ્યવસ્થા કરવી જેથી ભવિષ્યમાં આ રીતની અનઅધિકૃત / ગેરકાયદેસર પ્રવૃત્તિઓ થતી અટકાવી શકાય.	687794(26/09/22)	Still Pending
2. જીઆઈડીસીની માલિકીની આવી જગ્યાઓ પર રેગ્યુલર મોનીટરીંગ કરવું તથા અમુક- અમુક સ્પોટ પર જરૂર જણાય ત્યાં CCTV કેમેરાની વ્યવસ્થા કરવી જેથી આવી ગેરકાયદેસર પ્રવૃત્તિઓને થતી અટકાવી શકાય.	687794(26/09/22)	Still Pending
2. મુલાકાત સમયે એક્લેશ્વર GIDC માં વિવિધ જગ્યાએ જેવીકે M/s. Sajjan પાસેનું Chamber; M/s. Reini પાસેનું Chamber; M/s. S. B. Chemtech પાસેનું chamber overflow થઇ storm water drain માં w/w જતું ધ્યાને આવેલ જે બાબતે સ્પષ્ટતા કરવી તથા સુધારાત્મક પગલા with time bound action plan રજુ કરવા.	687590(23/09/22)	Pending !! Reminded AGAIN
1. આજરોજ GIDC- Ankleshwar ની મુલાકાત સમયે M/s. Labdhi પાસે રોડ પર w/w નું chamber overflow થઇ GIDC Storm water માં ગયેલ હોય તેમ ધ્યાને આવેલ જે ઉભરાયેલ w/w pumping - C પાસેથી overflow થઇ સારંગપુર ખાડીમાં ગયેલ છે આમ સદર બાબતે ખુલાસો કરવો તેમજ આવું w/w ઉભરાય નહી તેની યુસ્ત તકેદારી રાખવી અને સુધારાત્મક પગલા with Time bound action plan રજુ કરવા.	687590(23/09/22)	Pending !! Reminded AGAIN



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## Annexure Details - Air,Stack,Hazardous Waste & Samples PCB-ID: (29509)

### A Sample Details

Sr	Act	Ph/Temp/Air Sampled	Time	Type	Sampling Point	Col-Cond
1	W-49	@ 7 to 8 on ph strip / 31	1455-1455	REP	from overflowing bund wall near gide pumping station c ~	light Brown
2	W-14	@ 7 to 8 on ph strip / 30.5	1355-1355	REP	from sarangpur khadi ~	light Brown
3	W-14	@ 7 to 8 on ph strip / 31	1315-1315	REP	from river amravati before mixing sarangpur khadi ~	colorless
4	W-14	@ 7 to 8 on ph strip / 32.5	1255-1255	REP	from meeting point of sarangpur khadi and river amravati ~	yellowish tinge
5	W-49	@ 7 to 8 on ph strip / 32	1220-1220	REP	from amravati river after meeting sarangpur khadi at down stream ~	colorless
6	W-14	@ 7 to 8 on ph strip / 31	1155-1155	REP	river amravati @ nh48 highway bridge ~	colorless
7	W-14	@ 7 to 8 on ph strip / 31.5	1125-1125	REP	from river amravati at andada-mandva road bridge at navakansiya village(d/s of amratpura vill) ~	colorless
8	W-49	@ 7 to 8 on ph strip / 33	1110-1110	REP	river amravati at amratpura village low level bridge ~	colureless

### B Process Stacks

Sr	Stack attached to	Mts	Remark	Details of APCM	Probable Pollutants.
1	*** Not Applicable	1		N.A	

### C Flue gases Stacks

### D Details about Hazardous Waste Management :

Sr	Source of Hazardous Waste	Catg	Qty/Year	HW Disposal Management
1	Ash from incinerator and flue gas cleaning residue	I -37.2	0.000-M.T	DSS,STO

### E Products :

Sr	Product Name	NOC Qty	CCA Qty	Applied Qty	Inspection Remark
1	General ID	0.010	0.010 - ---	0.000	

### F Raw material :

### G Water Consumption & Generation Break up

### H Solid Waste

Inspection Team : Mr rana ravirajsinh p - Bhumika A. Bhuvu, AEE

**I hereby affirm, that all the PDF, Data mentioned above, fees paid has been checked & certified.**

R. P. Rano

Signature By(Mr rana ravirajsinh p )



River Amravati at Amratpura village low level bridge



Domestic outfall in Amravati River from residential area of Amratpura village



Dead fishes floating and on shored observed in River Amravati at Amratpura village low level bridge



River Amravati @ NH 8 Bridge and small dead fishes are found observed on shore



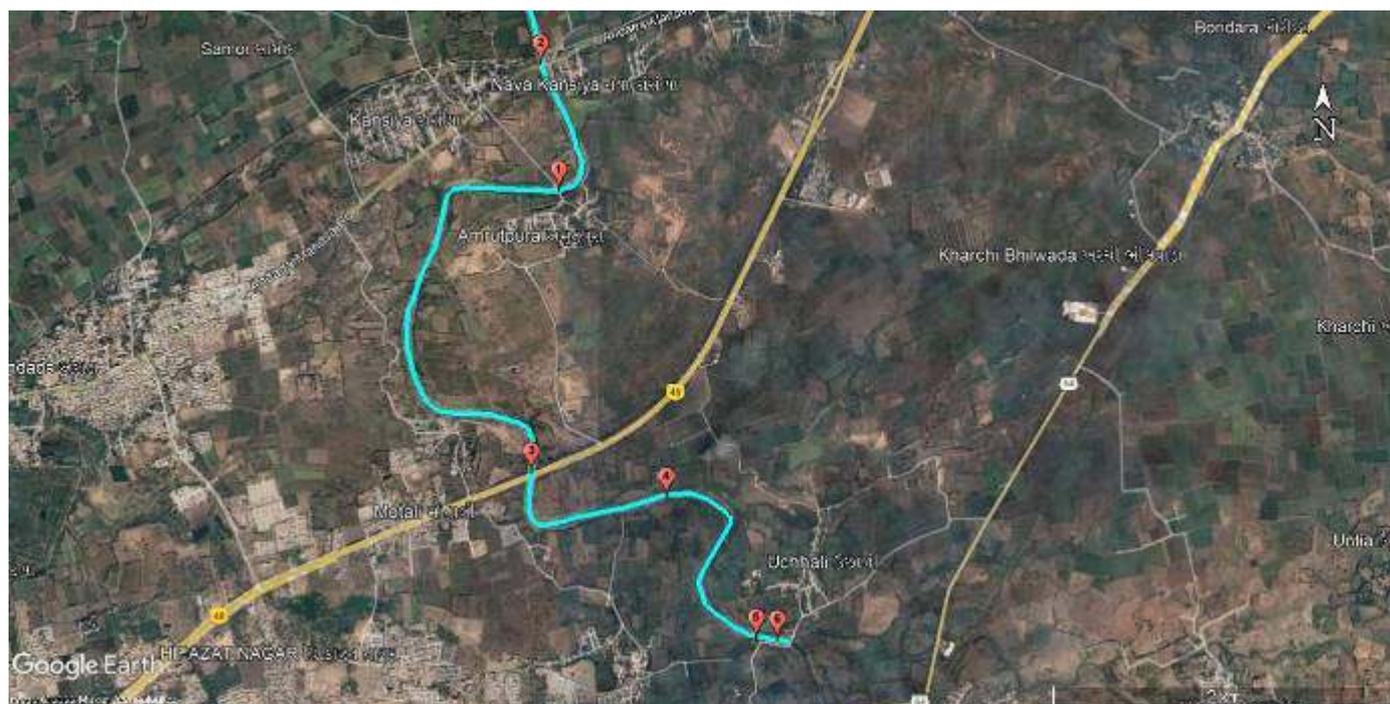
River Amravati and sarangpur khadi mixing point

Upstream area of River Amravati before mixing sarangpurkhadi

Sarangpur khadi

Bund wall near GIDC Ankleshwar pumping station C

### Google earth map showing sampling location of upstream & downstream of River Amravati



(Source: Google earth)

SN	Legend in map	Latitude	Longitude	Location description
1.	W-1	21°39'54.10"N	73° 2'58.37"E	River Amravati at low level bridge of village Amratpura (fish kill incident location)
2.	W-2	21°40'19.75"N	73° 2'54.16"E	River Amravati at Nava kansia village bridge (downstream)
3.	W-3	21°38'58.42"N	73° 2'53.20"E	River Amravati at NH-8 bridge (upstream)
4.	W-4	21°38'53.57"N	73° 3'21.32"E	River Amravati after mixing Sarangpurkhadi (upstream)
5.	W-5	21°38'26.57"N	73° 3'39.83"E	River Amravati & Sarangpurkhadi mixing point (upstream)
6.	W-6	21°38'26.25"N	73° 3'44.15"E	River Amravati before mixing Sarangpurkhadi (upstream)
7.	W-7	-	-	Sarangpur khadi at village sarangpur
8.	W-8	-	-	From overflowing bund wall near GIDC PS C





ANALYSIS REPORT FOR  
WATER / WASTE WATER SAMPLE **175**

Gujarat Pollution Control Board  
Bharuch  
C-1/119/3, GIDC Phase-2  
Narmadanagar  
Bharuch-392015  
Tele:(0264)2246333



TC-7844

Sample ID:361415 - Analysis Completion:18/10/2022

/ LAB Inward : 49088

Accreditation Standards & NABL Certificate Details : TC-7844 / - / - / Validity: 29/12/2023

TEST REPORT

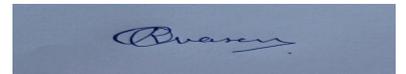
Test Report No. : 49088

Date: 19/10/2022

1. Name of the Customer : Complaint - 29509
2. Address : 00, Ankleshwar, 00  
Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :
3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)
4. Sample Collected By : Mr rana ravirajsinh p
5. Quantity of Sample Received : 5 lit
6. Code No. of the Sample : 361415
7. Date & Time of Collection & Inwarding : 30/09/2022 , (1110 to 1110) & 03/10/2022
8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022
9. Sampling Point : River Amravati at Amratpura village low level bridge ~
10. Flow Details (Remarks) : yes
11. Mode of Disposal : -
12. Ultimate Receiving Body : No generation of industrial wastewater
13. Temperature on Collection : 33 & pH Range on pH Strip : @ 7 to 8 on pH strip
14. Carboys Nos for : Barcode & Color & Appearance : colureless
15. Water Consumption & W.W.G (KLPD) : Ind :2.000 , Dom :1.000 & Ind :2.000 , Dom :0.800
16. Parameter : 49 , Cap No & Weight :

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part – 9) – 1984(Reaffirmed 2006)	Ambient oC - 60 oC	33
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2012	1 – 14 pH value As or	7.84
3	Turbidity	N.T.U.	Nephelometric method. (2130 B APHA Standard Meth	1 – 1000 NTU	04
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 – 200000 mg/L	656
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 – 10000 mg/L	02
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standa	1 - 2000 mg/l.	1.68
7	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard N	1 - 50000 mg/l	189
8	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	110
9	Phosphate	mg/l	(4500-P D APHA Standard method 22nd edi)	0-50mg/l	0.005
10	Dissolved Oxygen	mg/l	Winkler method – Azide modification. (4500-O– C AP	0.1 – 8 mg/l	4.03
11	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-20	5.0- 50000 mg/l	47
12	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	BDL
13	Phenolic Compounds	mg/l	4 Amino Antipyrine method without Chloroform Extra	0.1 – 50 mg/l	BDL
14	Boron	mg/l	Colorimetric Curcumin method. (4500-B B. APHA Sta	0.1 – 10.0 mg/l	0.587
15	Hexavalent Chromium	mg/l	APHA (22nd Edition) –3500 – Cr B : -2012 Colorimet	0.1 – 100 mg/l	BDL
16	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	3.90
17	Ortho Phosphate	mg/l	4500-P D APHA standard method 21st edi.	0-50mg/l	0.0046

**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 19/10/2022



**R.C.VASAVA,S.O**

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Note :

1. The results relate only to the items sampled and tested.
2. Samples will be destroyed after 10 days from the date of issue of test report unless otherwise specified.
3. The report shall not be reproduced except in full or part without approval of the laboratory.
4. The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
5. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23nd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

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\*\*\* END OF TEST REPORT \*\*\*



Sample ID:361415 - Analysis Completion:18/10/2022

/ LAB Inward : 49088

**TEST REPORT**

**Test Report No. : 49088**

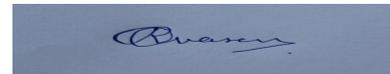
**Date: 19/10/2022**

1. Name of the Customer : Complaint - 29509  
 2. Address : 00,Ankleshwar,00  
 Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :  
 3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)  
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 8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022  
 9. Sampling Point : River Amravati at Amratpura village low level bridge ~  
 10. Flow Details (Remarks) : yes  
 11. Mode of Disposal : -  
 12. Ultimate Receiving Body : No generation of industrial wastewater  
 13. Temperature on Collection : 33 & pH Range on pH Strip :@ 7 to 8 on pH strip  
 14. Carboys Nos for : Barcode & Color & Appearance :colureless  
 : Ind :2.000 , Dom :1.000 & Ind :2.000 , Dom :0.800  
 15. Water Consumption & W.W.G (KLPD) : 49 ,Cap No & Weight :

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	5
2	Fecal Coliform	MPN/100 ml	2.9221 E APHA 23rd Edition IS 1622-1981	<1.8 to >1600 MPN/10	110
3	Total Organic Carbon	mg/l	5310 C APHA standard method 21st edi	-	In Process
4	Cyanide	mg/l	Titrimetric method. (4500 - CN? D APHA Standard Me	1-10 mg/l	BDL
5	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	BDL
6	Mangenes	mg/l	Persulphate colorimetric Method 3500-Mn B. APHA S	0.1-10 mg/l	0.071
7	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	0.031
8	Total Chromium	mg/l	3111 B APHA Standard methods 21st edi)	0.02-150mg/l	0.235
9	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	BDL
10	Nickel	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150 mg/l	0.057
11	Lead	mg/l	(3111 B APHA Standard methods 21st edi)	0.05-150 mg/l	BDL
12	Cadmium	mg/l	(3111 B APHA Standard methods 21st edi)	0.002-100 mg/l	BDL
13	Lindane	mg/l	-	-	IN PROCESS
14	Arsenic	mg/l	(3111 B APHA Standard methods 21st edi)	-	NA
15	Alpha B.H.C.	mg/l	-	-	IN PROCESS
16	D.D.T.	mg/l	-	-	IN PROCESS
17	Cobalt	mg/l	(3111 B APHA Standard methods 21st edi)	-	BDL
18	MERCURY	mg/l	(3111 B APHA Standard methods 21st edi)	-	NA
19	Aldrin	mg/l	-	-	IN PROCESS
20	Di-Aldrin	mg/l	-	-	IN PROCESS
21	o.p.DDT	mg/l	-	-	IN PROCESS
22	Chlorpyrifos	mg/l	-	-	IN PROCESS
23	p.p.DDT	mg/l	-	-	IN PROCESS
24	Malathion	mg/l	-	-	IN PROCESS
25	Parathion-methyl	mg/l	-	-	IN PROCESS
26	Beta BHC	mg/lit	-	-	IN PROCESS
27	Alpha Endosulphon	mg/lit	-	-	IN PROCESS
28	Beta Endosulphon	mg/lit	-	-	IN PROCESS
29	Carbamate	mg/lit	-	-	IN PROCESS
30	Carboryl	mg/lit	-	-	IN PROCESS
31	2,4,D	mg/lit	-	-	IN PROCESS

# 178

**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 19/10/2022



**R.C.VASAVA,S.O**

Note :

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4. The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
5. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23nd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

\*\*\* END OF TEST REPORT \*\*\*



ANALYSIS REPORT FOR  
WATER / WASTE WATER SAMPLE **179**

Gujarat Pollution Control Board

Bharuch

C-1/119/3, GIDC Phase-2

Narmadanagar

Bharuch-392015

Tele:(0264)2246333



TC-7844

Sample ID:361418 - Analysis Completion:18/10/2022

/ LAB Inward : 49089

Accreditation Standards & NABL Certificate Details : TC-7844 / -- / -- / Validity: 29/12/2023

TEST REPORT

Test Report No. : 49089

Date: 19/10/2022

1. Name of the Customer : Complaint - 29509  
 2. Address : 00, Ankleshwar, 00  
 Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :  
 3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)  
 4. Sample Collected By : Mr rana ravirajsinh p  
 5. Quantity of Sample Received : 5 lit  
 6. Code No. of the Sample : 361418  
 7. Date & Time of Collection & Inwarding : 30/09/2022 , (1125 to 1125) & 03/10/2022  
 8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022  
 9. Sampling Point : From River Amravati at Andada-Mandva road bridge at Navakansiya village(d/s of  
 10. Flow Details (Remarks) Amratpura vill) ~  
 11. Mode of Disposal : yes  
 12. Ultimate Receiving Body : --  
 13. Temperature on Collection : No generation of industrial wastewater  
 14. Carboys Nos for : 31.5 & pH Range on pH Strip :@ 7 to 8 on pH strip  
 15. Water Consumption & W.W.G (KLPD) : Barcode & Color & Appearance :colorless  
 16. Parameter : Ind :2.000 , Dom :1.000 & Ind :2.000 , Dom :0.800

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part - 9) - 1984(Reaffirmed 2006)	Ambient oC - 60 oC	31.5
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2012	1 - 14 pH value As or	7.85
3	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 - 200000 mg/L	646
4	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 - 10000 mg/L	10
5	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Stand	1 - 2000 mg/l.	1.12
6	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard	1 - 50000 mg/l	173
7	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	87
8	Dissolved Oxygen	mg/l	Winkler method - Azide modification. (4500-O- C AP	0.1 - 8 mg/l	3.98
9	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	48
10	Oil & Grease	mg/l	Liquid - Liquid Partition Gravimetric method. (5520 B	01 - 1000 mg/l	BDL
11	Phenolic Compounds	mg/l	4 Amino Antipyrene method without Chloroform Extra	0.1 - 50 mg/l	BDL
12	B.O.D (3 Days 27oC)	mg/l	3 - Day BOD test. (IS 3025 (Part 44) 1993 Reaffirm	05-50000 mg/l	3.86

Laboratory Remarks : Approved By:399-lab\_399 Dt.: 19/10/2022

R.C.VASAVA,S.O

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- The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
- Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
- Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
- Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23nd Edition by APHA.
- Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

\*\*\* END OF TEST REPORT \*\*\*



Sample ID:361418 - Analysis Completion:18/10/2022

/ LAB Inward : 49089

TEST REPORT

Test Report No. : 49089

Date: 19/10/2022

1. Name of the Customer : Complaint - 29509  
2. Address : 00,Ankleshwar,00  
Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :  
3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)  
4. Sample Collected By : Mr rana ravirajsinh p  
5. Quantity of Sample Received : 5 lit  
6. Code No. of the Sample : 361418  
7. Date & Time of Collection & Inwarding : 30/09/2022 , (1125 to 1125) & 03/10/2022  
8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022  
9. Sampling Point : From River Amravati at Andada-Mandva road bridge at Navakansiya  
10. Flow Details (Remarks) : village(d/s of Amratpura vill) ~  
11. Mode of Disposal : yes  
12. Ultimate Receiving Body : --  
13. Temperature on Collection : No generation of industrial wastewater  
14. Carboys Nos for : 31.5 & pH Range on pH Strip :@ 7 to 8 on pH strip  
Barcode & Color & Appearance :colorless  
15. Water Consumption & W.W.G (KLPD) : Ind :2.000 , Dom :1.000 & Ind :2.000 , Dom :0.800

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	5
2	Fecal Coliform	MPN/100 ml	2.9221 E APHA 23rd Edition IS 1622-1981	<1.8 to >1600 MPN/10	94

**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 19/10/2022

R.C.VASAVA,S.O

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5. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23rd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

\*\*\* END OF TEST REPORT \*\*\*



Sample ID:361419 - Analysis Completion:18/10/2022

/ LAB Inward : 49090

Accreditation Standards & NABL Certificate Details : TC-7844 / - / - / Validity: 29/12/2023

TEST REPORT

Test Report No. : 49090

Date: 19/10/2022

1. Name of the Customer : Complaint - 29509
2. Address : 00, Ankleshwar, 00  
Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :
3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)
4. Sample Collected By : Mr rana ravirajsinh p
5. Quantity of Sample Received : 5 lit
6. Code No. of the Sample : 361419
7. Date & Time of Collection & Inwarding : 30/09/2022 , (1155 to 1155) & 03/10/2022
8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022
9. Sampling Point : River Amravati @ NH48 highway bridge ~
10. Flow Details (Remarks) : yes
11. Mode of Disposal : --
12. Ultimate Receiving Body : No generation of industrial wastewater
13. Temperature on Collection : 31 & pH Range on pH Strip : @ 7 to 8 on pH strip
14. Carboys Nos for : Barcode & Color & Appearance : colorless
15. Water Consumption & W.W.G (KLPD) : Ind : 2.000 , Dom : 1.000 & Ind : 2.000 , Dom : 0.800
16. Parameter : 14 , Cap No & Weight :

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part - 9) - 1984(Reaffirmed 2006)	Ambient oC - 60 oC	31
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2012	1 - 14 pH value As or	8.04
3	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 - 200000 mg/L	708
4	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 - 10000 mg/L	14
5	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Stand	1 - 2000 mg/l.	3.36
6	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard	1 - 50000 mg/l	184
7	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	82
8	Dissolved Oxygen	mg/l	Winkler method - Azide modification. (4500-O- C AP	0.1 - 8 mg/l	3.96
9	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	51
10	Oil & Grease	mg/l	Liquid - Liquid Partition Gravimetric method. (5520 B	01 - 1000 mg/l	BDL
11	Phenolic Compounds	mg/l	4 Amino Antipyrene method without Chloroform Extra	0.1 - 50 mg/l	BDL
12	B.O.D (3 Days 27oC)	mg/l	3 - Day BOD test. (IS 3025 (Part 44) 1993 Reaffirm	05-50000 mg/l	3.92

**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 19/10/2022

*R.C. Vasava*

**R.C.VASAVA,S.O**

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6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23nd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

\*\*\* END OF TEST REPORT \*\*\*



Sample ID:361419 - Analysis Completion:18/10/2022

/ LAB Inward : 49090

TEST REPORT

Test Report No. : 49090

Date: 19/10/2022

1. Name of the Customer : Complaint - 29509  
2. Address : 00,Ankleshwar,00  
Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :  
3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)  
4. Sample Collected By : Mr rana ravirajsinh p  
5. Quantity of Sample Received : 5 lit  
6. Code No. of the Sample : 361419  
7. Date & Time of Collection & Inwarding : 30/09/2022 , (1155 to 1155) & 03/10/2022  
8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022  
9. Sampling Point : River Amravati @ NH48 highway bridge ~  
10. Flow Details (Remarks) : yes  
11. Mode of Disposal : --  
12. Ultimate Receiving Body : No generation of industrial wastewater  
13. Temperature on Collection : 31 & pH Range on pH Strip :@ 7 to 8 on pH strip  
14. Carboys Nos for : Barcode & Color & Appearance :colorless  
: Ind :2.000 , Dom :1.000 & Ind :2.000 , Dom :0.800  
15. Water Consumption & W.W.G (KLPD) : 14 ,Cap No & Weight :

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	5
2	Fecal Coliform	MPN/100 ml	2.9221 E APHA 23rd Edition IS 1622-1981	<1.8 to >1600 MPN/10	70

**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 19/10/2022

R.C.VASAVA,S.O

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6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23rd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

\*\*\* END OF TEST REPORT \*\*\*



ANALYSIS REPORT FOR  
WATER / WASTE WATER SAMPLE **183**

Gujarat Pollution Control Board  
Bharuch  
C-1/119/3, GIDC Phase-2  
Narmadanagar  
Bharuch-392015  
Tele:(0264)2246333



Sample ID:361423 - Analysis Completion:18/10/2022

/ LAB Inward : 49091

TC-7844

Accreditation Standards & NABL Certificate Details : TC-7844 / - / - / Validity: 29/12/2023

TEST REPORT

Test Report No. : 49091

Date: 19/10/2022

1. Name of the Customer : Complaint - 29509
2. Address : 00, Ankleshwar, 00  
Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :
3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)
4. Sample Collected By : Mr rana ravirajsinh p
5. Quantity of Sample Received : 5 lit
6. Code No. of the Sample : 361423
7. Date & Time of Collection & Inwarding : 30/09/2022 , (1220 to 1220) & 03/10/2022
8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022
9. Sampling Point : From Amravati River after meeting Sarangpur khadi at down stream ~
10. Flow Details (Remarks) : yes
11. Mode of Disposal : --
12. Ultimate Receiving Body : No generation of industrial wastewater
13. Temperature on Collection : 32 & pH Range on pH Strip : @ 7 to 8 on pH strip
14. Carboys Nos for : Barcode & Color & Appearance : colorless
15. Water Consumption & W.W.G (KLPD) : Ind : 2.000 , Dom : 1.000 & Ind : 2.000 , Dom : 0.800
16. Parameter : 49 , Cap No & Weight :

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part – 9) – 1984(Reaffirmed 2006)	Ambient oC - 60 oC	32
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2012	1 – 14 pH value As or	8.0
3	Turbidity	N.T.U.	Nephelometric method. (2130 B APHA Standard Meth	1 – 1000 NTU	8
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 – 200000 mg/L	716
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 – 10000 mg/L	02
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standa	1 - 2000 mg/l.	2.8/
7	Chloride	mg/l	Argentometric method. (4500 Cl <sup>-</sup> B APHA Standard N	1 - 50000 mg/l	186
8	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	74
9	Phosphate	mg/l	(4500-P D APHA Standard method 22nd edi)	0-50mg/l	0.003
10	Dissolved Oxygen	mg/l	Winkler method – Azide modification. (4500-O– C AP	0.1 – 8 mg/l	3.55
11	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-20	5.0- 50000 mg/l	58
12	Oil & Grease	mg/l	Liquid – Liquid Partition Gravimetric method. (5520 B	01 – 1000 mg/l	BDL
13	Phenolic Compounds	mg/l	4 Amino Antipyrine method without Chloroform Extra	0.1 – 50 mg/l	BDL
14	Boron	mg/l	Colorimetric Curcumin method. (4500-B B. APHA Sta	0.1 – 10.0 mg/l	0.573
15	Hexavalent Chromium	mg/l	APHA (22nd Edition) –3500 – Cr B : -2012 Colorimet	0.1 – 100 mg/l	BDL
16	B.O.D (3 Days 27oC)	mg/l	3 – Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05–50000 mg/l	<5
17	Ortho Phosphate	mg/l	4500-P D APHA standard method 21st edi.	0-50mg/l	0.0024

**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 19/10/2022



**R.C.VASAVA,S.O**

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6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23nd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

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\*\*\* END OF TEST REPORT \*\*\*



Sample ID:361423 - Analysis Completion:18/10/2022

/ LAB Inward : 49091

**TEST REPORT**

Test Report No. : 49091

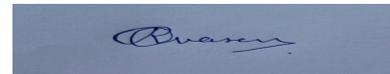
Date: 19/10/2022

1. Name of the Customer : Complaint - 29509
2. Address : 00,Ankleshwar,00  
Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :
3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)
4. Sample Collected By : Mr rana ravirajsinh p
5. Quantity of Sample Received : 5 lit
6. Code No. of the Sample : 361423
7. Date & Time of Collection & Inwarding : 30/09/2022 , (1220 to 1220) & 03/10/2022
8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022
9. Sampling Point : From Amravati River after meeting Sarangpur khadi at down stream ~
10. Flow Details (Remarks) : yes
11. Mode of Disposal : --
12. Ultimate Receiving Body : No generation of industrial wastewater
13. Temperature on Collection : 32 & pH Range on pH Strip :@ 7 to 8 on pH strip
14. Carboys Nos for : Barcode & Color & Appearance :colorless  
: Ind :2.000 , Dom :1.000 & Ind :2.000 , Dom :0.800
15. Water Consumption & W.W.G (KLPD) : 49 ,Cap No & Weight :

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	5
2	Fecal Coliform	MPN/100 ml	2.9221 E APHA 23rd Edition IS 1622-1981	<1.8 to >1600 MPN/10	140
3	Total Organic Carbon	mg/l	5310 C APHA standard method 21st edi	-	In Process
4	Cyanide	mg/l	Titrimetric method. (4500 - CN? D APHA Standard Me	1-10 mg/l	BDL
5	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	1.414
6	Mangenes	mg/l	Persulphate colorimetric Method 3500-Mn B. APHA S	0.1-10 mg/l	0.142
7	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	0.038
8	Total Chromium	mg/l	3111 B APHA Standard methods 21st edi)	0.02-150mg/l	0.293
9	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	BDL
10	Nickel	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150 mg/l	0.079
11	Lead	mg/l	(3111 B APHA Standard methods 21st edi)	0.05-150 mg/l	BDL
12	Cadmium	mg/l	(3111 B APHA Standard methods 21st edi)	0.002-100 mg/l	BDL
13	Lindane	mg/l	-	-	IN PROCESS
14	Arsenic	mg/l	(3111 B APHA Standard methods 21st edi)	-	NA
15	Alpha B.H.C.	mg/l	-	-	IN PROCESS
16	D.D.T.	mg/l	-	-	IN PROCESS
17	Cobalt	mg/l	(3111 B APHA Standard methods 21st edi)	-	BDL
18	MERCURY	mg/l	(3111 B APHA Standard methods 21st edi)	-	NA
19	Aldrin	mg/l	-	-	IN PROCESS
20	Di-Aldrin	mg/l	-	-	IN PROCESS
21	o.p.DDT	mg/l	-	-	IN PROCESS
22	Chlorpyrifos	mg/l	-	-	IN PROCESS
23	p.p.DDT	mg/l	-	-	IN PROCESS
24	Malathion	mg/l	-	-	IN PROCESS
25	Parathion-methyl	mg/l	-	-	IN PROCESS
26	Beta BHC	mg/lit	-	-	IN PROCESS
27	Alpha Endosulphon	mg/lit	-	-	IN PROCESS
28	Beta Endosulphon	mg/lit	-	-	IN PROCESS
29	Carbamate	mg/lit	-	-	IN PROCESS
30	Carboryl	mg/lit	-	-	IN PROCESS
31	2,4,D	mg/lit	-	-	IN PROCESS

# 186

**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 19/10/2022



**R.C.VASAVA,S.O**

Note :

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4. The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
5. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23rd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

\*\*\* END OF TEST REPORT \*\*\*



ANALYSIS REPORT FOR  
WATER / WASTE WATER SAMPLE **187**

Gujarat Pollution Control Board  
Bharuch  
C-1/119/3, GIDC Phase-2  
Narmadanagar  
Bharuch-392015  
Tele:(0264)2246333



TC-7844

Sample ID:361424 - Analysis Completion:18/10/2022

/ LAB Inward : 49092

Accreditation Standards & NABL Certificate Details : TC-7844 / - / - / Validity: 29/12/2023

TEST REPORT

Test Report No. : 49092

Date: 19/10/2022

1. Name of the Customer : Complaint - 29509
2. Address : 00, Ankleshwar, 00  
Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :
3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)
4. Sample Collected By : Mr rana ravirajsinh p
5. Quantity of Sample Received : 5 lit
6. Code No. of the Sample : 361424
7. Date & Time of Collection & Inwarding : 30/09/2022 , (1255 to 1255) & 03/10/2022
8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022
9. Sampling Point : From meeting point of Sarangpur khadi and River Amravati ~
10. Flow Details (Remarks) : yes
11. Mode of Disposal : --
12. Ultimate Receiving Body : No generation of industrial wastewater
13. Temperature on Collection : 32.5 & pH Range on pH Strip : @ 7 to 8 on pH strip
14. Carboys Nos for : Barcode & Color & Appearance : yellowish tinge
15. Water Consumption & W.W.G (KLPD) : Ind : 2.000 , Dom : 1.000 & Ind : 2.000 , Dom : 0.800
16. Parameter : 14 , Cap No & Weight :

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part - 9) - 1984(Reaffirmed 2006)	Ambient oC - 60 oC	32.5
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2012	1 - 14 pH value As or	7.39
3	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 - 200000 mg/L	1428
4	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 - 10000 mg/L	22
5	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Stand	1 - 2000 mg/l.	11.2
6	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard	1 - 50000 mg/l	529
7	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	202
8	Dissolved Oxygen	mg/l	Winkler method - Azide modification. (4500-O- C AP	0.1 - 8 mg/l	BDL
9	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	143
10	Oil & Grease	mg/l	Liquid - Liquid Partition Gravimetric method. (5520 B	01 - 1000 mg/l	BDL
11	Phenolic Compounds	mg/l	4 Amino Antipyrene method without Chloroform Extra	0.1 - 50 mg/l	BDL
12	B.O.D (3 Days 27oC)	mg/l	3 - Day BOD test. (IS 3025 (Part 44) 1993 Reaffirm	05-50000 mg/l	29

**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 19/10/2022

*R.C. Vasava*

**R.C.VASAVA,S.O**

Note :

1. The results relate only to the items sampled and tested.
2. Samples will be destroyed after 10 days from the date of issue of test report unless otherwise specified.
3. The report shall not be reproduced except in full or part without approval of the laboratory.
4. The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
5. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23nd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

\*\*\* END OF TEST REPORT \*\*\*



Sample ID:361424 - Analysis Completion:18/10/2022

/ LAB Inward : 49092

TEST REPORT

Test Report No. : 49092

Date: 19/10/2022

1. Name of the Customer : Complaint - 29509  
2. Address : 00,Ankleshwar,00  
Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :  
3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)  
4. Sample Collected By : Mr rana ravirajsinh p  
5. Quantity of Sample Received : 5 lit  
6. Code No. of the Sample : 361424  
7. Date & Time of Collection & Inwarding : 30/09/2022 , (1255 to 1255) & 03/10/2022  
8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022  
9. Sampling Point : From meeting point of Sarangpur khadi and River Amravati ~  
10. Flow Details (Remarks) : yes  
11. Mode of Disposal : --  
12. Ultimate Receiving Body : No generation of industrial wastewater  
13. Temperature on Collection : 32.5 & pH Range on pH Strip :@ 7 to 8 on pH strip  
14. Carboys Nos for : Barcode & Color & Appearance :yellowish tinge  
: Ind :2.000 , Dom :1.000 & Ind :2.000 , Dom :0.800  
15. Water Consumption & W.W.G (KLPD) : 14 ,Cap No & Weight :

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	10
2	Fecal Coliform	MPN/100 ml	2.9221 E APHA 23rd Edition IS 1622-1981	<1.8 to >1600 MPN/10	350

**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 19/10/2022

R.C.VASAVA,S.O

Note :

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2. Samples will be destroyed after 10 days from the date of issue of test report unless otherwise specified.
3. The report shall not be reproduced except in full or part without approval of the laboratory.
4. The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
5. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23rd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

\*\*\* END OF TEST REPORT \*\*\*



Sample ID:361425 - Analysis Completion:18/10/2022

/ LAB Inward : 49093

Accreditation Standards &amp; NABL Certificate Details : TC-7844 / -- / -- / Validity: 29/12/2023

## TEST REPORT

Test Report No. : 49093

Date: 19/10/2022

1. Name of the Customer : Complaint - 29509  
 2. Address : 00, Ankleshwar, 00  
 Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :  
 3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)  
 4. Sample Collected By : Mr rana ravirajsinh p  
 5. Quantity of Sample Received : 5 lit  
 6. Code No. of the Sample : 361425  
 7. Date & Time of Collection & Inwarding : 30/09/2022 , (1315 to 1315) & 03/10/2022  
 8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022  
 9. Sampling Point : From River Amravati before mixing Sarangpur khadi ~  
 10. Flow Details (Remarks) : yes  
 11. Mode of Disposal : --  
 12. Ultimate Receiving Body : No generation of industrial wastewater  
 13. Temperature on Collection : 31 & pH Range on pH Strip : @ 7 to 8 on pH strip  
 14. Carboys Nos for : Barcode & Color & Appearance : colorless  
 15. Water Consumption & W.W.G (KLPD) : Ind : 2.000 , Dom : 1.000 & Ind : 2.000 , Dom : 0.800  
 16. Parameter : 14 , Cap No & Weight :

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part - 9) - 1984(Reaffirmed 2006)	Ambient oC - 60 oC	31
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2012	1 - 14 pH value As or	8.28
3	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 - 200000 mg/L	678
4	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 - 10000 mg/L	06
5	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Stand	1 - 2000 mg/l.	BDL
6	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard	1 - 50000 mg/l	161
7	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	55
8	Dissolved Oxygen	mg/l	Winkler method - Azide modification. (4500-O- C AP	0.1 - 8 mg/l	4.41
9	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	38
10	Oil & Grease	mg/l	Liquid - Liquid Partition Gravimetric method. (5520 B	01 - 1000 mg/l	BDL
11	Phenolic Compounds	mg/l	4 Amino Antipyrene method without Chloroform Extra	0.1 - 50 mg/l	BDL
12	B.O.D (3 Days 27oC)	mg/l	3 - Day BOD test. (IS 3025 (Part 44) 1993 Reaffirm	05-50000 mg/l	3.38

Laboratory Remarks : Approved By:399-lab\_399 Dt.: 19/10/2022

R.C.VASAVA,S.O

## Note :

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- Samples will be destroyed after 10 days from the date of issue of test report unless otherwise specified.
- The report shall not be reproduced except in full or part without approval of the laboratory.
- The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
- Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
- Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
- Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23nd Edition by APHA.
- Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

\*\*\* END OF TEST REPORT \*\*\*



Sample ID:361425 - Analysis Completion:18/10/2022

/ LAB Inward : 49093

TEST REPORT

Test Report No. : 49093

Date: 19/10/2022

1. Name of the Customer : Complaint - 29509  
2. Address : 00,Ankleshwar,00  
Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :  
3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)  
4. Sample Collected By : Mr rana ravirajsinh p  
5. Quantity of Sample Received : 5 lit  
6. Code No. of the Sample : 361425  
7. Date & Time of Collection & Inwarding : 30/09/2022 , (1315 to 1315) & 03/10/2022  
8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022  
9. Sampling Point : From River Amravati before mixing Sarangpur khadi ~  
10. Flow Details (Remarks) : yes  
11. Mode of Disposal : --  
12. Ultimate Receiving Body : No generation of industrial wastewater  
13. Temperature on Collection : 31 & pH Range on pH Strip :@ 7 to 8 on pH strip  
14. Carboys Nos for : Barcode & Color & Appearance :colorless  
: Ind :2.000 , Dom :1.000 & Ind :2.000 , Dom :0.800  
15. Water Consumption & W.W.G (KLPD) : 14 ,Cap No & Weight :

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	5
2	Fecal Coliform	MPN/100 ml	2.9221 E APHA 23rd Edition IS 1622-1981	<1.8 to >1600 MPN/10	170

**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 19/10/2022

R.C.VASAVA,S.O

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6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23nd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

\*\*\* END OF TEST REPORT \*\*\*



ANALYSIS REPORT FOR  
WATER / WASTE WATER SAMPLE **191**

Gujarat Pollution Control Board  
Bharuch  
C-1/119/3, GIDC Phase-2  
Narmadanagar  
Bharuch-392015  
Tele:(0264)2246333



TC-7844

Sample ID:361427 - Analysis Completion:18/10/2022

/ LAB Inward : 49094

Accreditation Standards & NABL Certificate Details : TC-7844 / - / - / Validity: 29/12/2023

TEST REPORT

Test Report No. : 49094

Date: 18/10/2022

1. Name of the Customer : Complaint - 29509
2. Address : 00, Ankleshwar, 00  
Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :
3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)
4. Sample Collected By : Mr rana ravirajsinh p
5. Quantity of Sample Received : 5 lit
6. Code No. of the Sample : 361427
7. Date & Time of Collection & Inwarding : 30/09/2022 , (1355 to 1355) & 03/10/2022
8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022
9. Sampling Point : From Sarangpur khadi ~
10. Flow Details (Remarks) : yes
11. Mode of Disposal : --
12. Ultimate Receiving Body : No generation of industrial wastewater
13. Temperature on Collection : 30.5 & pH Range on pH Strip : @ 7 to 8 on pH strip
14. Carboys Nos for : Barcode & Color & Appearance : light Brown
15. Water Consumption & W.W.G (KLPD) : Ind : 2.000 , Dom : 1.000 & Ind : 2.000 , Dom : 0.800
16. Parameter : 14 , Cap No & Weight :

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part - 9) - 1984(Reaffirmed 2006)	Ambient oC - 60 oC	30.5
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2012	1 - 14 pH value As or	7.12
3	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 - 200000 mg/L	2574
4	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 - 10000 mg/L	46
5	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Stand	1 - 2000 mg/l.	25.2
6	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard	1 - 50000 mg/l	953
7	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	356
8	Dissolved Oxygen	mg/l	Winkler method - Azide modification. (4500-O- C AP	0.1 - 8 mg/l	BDL
9	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-2	5.0- 50000 mg/l	279
10	Oil & Grease	mg/l	Liquid - Liquid Partition Gravimetric method. (5520 B	01 - 1000 mg/l	BDL
11	Phenolic Compounds	mg/l	4 Amino Antipyrene method without Chloroform Extra	0.1 - 50 mg/l	0.17
12	B.O.D (3 Days 27oC)	mg/l	3 - Day BOD test. (IS 3025 (Part 44) 1993 Reaffirm	05-50000 mg/l	60

**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 18/10/2022

*R.C. Vasava*

**R.C.VASAVA,S.O**

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6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23nd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

\*\*\* END OF TEST REPORT \*\*\*



Sample ID:361427 - Analysis Completion:18/10/2022

/ LAB Inward : 49094

TEST REPORT

Test Report No. : 49094

Date: 18/10/2022

1. Name of the Customer : Complaint - 29509  
2. Address : 00,Ankleshwar,00  
Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :  
3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)  
4. Sample Collected By : Mr rana ravirajsinh p  
5. Quantity of Sample Received : 5 lit  
6. Code No. of the Sample : 361427  
7. Date & Time of Collection & Inwarding : 30/09/2022 , (1355 to 1355) & 03/10/2022  
8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022  
9. Sampling Point : From Sarangpur khadi ~  
10. Flow Details (Remarks) : yes  
11. Mode of Disposal : --  
12. Ultimate Receiving Body : No generation of industrial wastewater  
13. Temperature on Collection : 30.5 & pH Range on pH Strip :@ 7 to 8 on pH strip  
14. Carboys Nos for : Barcode & Color & Appearance :light Brown  
: Ind :2.000 , Dom :1.000 & Ind :2.000 , Dom :0.800  
15. Water Consumption & W.W.G (KLPD) : 14 ,Cap No & Weight :

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	10
2	Fecal Coliform	MPN/100 ml	2.9221 E APHA 23rd Edition IS 1622-1981	<1.8 to >1600 MPN/10	>1600

**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 18/10/2022

R.C.VASAVA,S.O

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6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23nd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

\*\*\* END OF TEST REPORT \*\*\*



ANALYSIS REPORT FOR  
WATER / WASTE WATER SAMPLE **193**

Gujarat Pollution Control Board  
Bharuch  
C-1/119/3, GIDC Phase-2  
Narmadanagar  
Bharuch-392015  
Tele:(0264)2246333



TC-7844

Sample ID:361428 - Analysis Completion:18/10/2022

/ LAB Inward : 49095

Accreditation Standards & NABL Certificate Details : TC-7844 / - / - / Validity: 29/12/2023

TEST REPORT

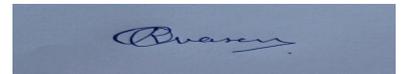
Test Report No. : 49095

Date: 18/10/2022

1. Name of the Customer : Complaint - 29509
2. Address : 00, Ankleshwar, 00  
Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :
3. Nature of Sample : REP-Representative/Grab, (Insp Type : COM-On Complaint)
4. Sample Collected By : Mr rana ravirajsinh p
5. Quantity of Sample Received : 5 lit
6. Code No. of the Sample : 361428
7. Date & Time of Collection & Inwarding : 30/09/2022 , (1455 to 1455) & 03/10/2022
8. Date of Start & Completion of Analysis : 03/10/2022 & 18/10/2022
9. Sampling Point : From overflowing bund wall near GIDC pumping station C ~
10. Flow Details (Remarks) : yes
11. Mode of Disposal : near by natural drain
12. Ultimate Receiving Body : No generation of industrial wastewater
13. Temperature on Collection : 31 & pH Range on pH Strip : @ 7 to 8 on pH strip
14. Carboys Nos for : Barcode & Color & Appearance : light Brown
15. Water Consumption & W.W.G (KLPD) : Ind : 2.000 , Dom : 1.000 & Ind : 2.000 , Dom : 0.800
16. Parameter : 49 , Cap No & Weight :

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Temperature	Centigrade	IS: 3025 (Part - 9) - 1984(Reaffirmed 2006)	Ambient oC - 60 oC	31
2	pH	pH Units	4500 H+ B APHA Standard Methods 23rd edi.2012	1 - 14 pH value As or	7.36
3	Turbidity	N.T.U.	Nephelometric method. (2130 B APHA Standard Meth	1 - 1000 NTU	85.5
4	Total Dissolved Solids	mg/l	Gravimetric method. (2540 C APHA Standard Method	10 - 200000 mg/L	4898
5	Suspended Solids	mg/l	Gravimetric method. (2540 D APHA Standard Method	2 - 10000 mg/L	92
6	Ammonical Nitrogen	mg/l	1).Titrimetric method (4500 NH3 B & C APHA Standa	1 - 2000 mg/l.	75.04
7	Chloride	mg/l	Argentometric method. (4500 Cl? B APHA Standard N	1 - 50000 mg/l	2070
8	Sulphate	mg/l	APHA(23rd edi) 4500 SO4 E	2-40mg/l	485
9	Phosphate	mg/l	(4500-P D APHA Standard method 22nd edi)	0-50mg/l	0.003
10	Dissolved Oxygen	mg/l	Winkler method - Azide modification. (4500-O- C AP	0.1 - 8 mg/l	BDL
11	Chemical Oxygen Demand	mg/l	APHA (23rd Edition)- 5220 B Open Reflux Method-20	5.0- 50000 mg/l	813
12	Oil & Grease	mg/l	Liquid - Liquid Partition Gravimetric method. (5520 B	01 - 1000 mg/l	BDL
13	Phenolic Compounds	mg/l	4 Amino Antipyrine method without Chloroform Extra	0.1 - 50 mg/l	1.71
14	Boron	mg/l	Colorimetric Curcumin method. (4500-B B. APHA Sta	0.1 - 10.0 mg/l	0.634
15	Hexavalent Chromium	mg/l	APHA (22nd Edition) -3500 - Cr B : -2012 Colorimet	0.1 - 100 mg/l	BDL
16	B.O.D (3 Days 27oC)	mg/l	3 - Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme	05-50000 mg/l	185
17	Ortho Phosphate	mg/l	4500-P D APHA standard method 21st edi.	0-50mg/l	0.0025

**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 18/10/2022



**R.C.VASAVA,S.O**

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Note :

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4. The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
5. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23nd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

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\*\*\* END OF TEST REPORT \*\*\*



Sample ID:361428 - Analysis Completion:18/10/2022

/ LAB Inward : 49095

**TEST REPORT**

**Test Report No. : 49095**

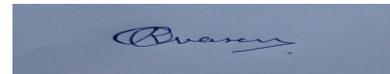
**Date: 18/10/2022**

1. Name of the Customer : **Complaint - 29509**
2. Address : **00,Ankleshwar,00**  
**Ankleshwar-, Taluka : Ankleshwar, District : Ankleshwar, GIDC :**
3. Nature of Sample : **REP-Representative/Grab, (Insp Type : COM-On Complaint)**
4. Sample Collected By : **Mr rana ravirajsinh p**
5. Quantity of Sample Received : **5 lit**
6. Code No. of the Sample : **361428**
7. Date & Time of Collection & Inwarding : **30/09/2022 , (1455 to 1455) & 03/10/2022**
8. Date of Start & Completion of Analysis : **03/10/2022 & 18/10/2022**
9. Sampling Point : **From overflowing bund wall near GIDC pumping station C ~**
10. Flow Details (Remarks) : **yes**
11. Mode of Disposal : **near by natural drain**
12. Ultimate Receiving Body : **No generation of industrial wastewater**
13. Temperature on Collection : **31 & pH Range on pH Strip :@ 7 to 8 on pH strip**
14. Carboys Nos for : **Barcode & Color & Appearance :light Brown**  
**Ind :2.000 , Dom :1.000 & Ind :2.000 , Dom :0.800**
15. Water Consumption & W.W.G (KLPD) : **49 ,Cap No & Weight :**

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Colour	Pt.Co.Sc.	2120 B APHA Standard Methods 22nd edi. 2012	2 - to 99 Hazen & 1-50	20
2	Fecal Coliform	MPN/100 ml	2.9221 E APHA 23rd Edition IS 1622-1981	<1.8 to >1600 MPN/10	130
3	Total Organic Carbon	mg/l	5310 C APHA standard method 21st edi	-	In Process
4	Cyanide	mg/l	Titrimetric method. (4500 - CN? D APHA Standard Me	1-10 mg/l	BDL
5	Iron	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150mg/l	5.336
6	Mangenes	mg/l	Persulphate colorimetric Method 3500-Mn B. APHA S	0.1-10 mg/l	0.281
7	Zinc	mg/l	(3111 B APHA Standard methods 21st edi)	0.005-100mg/l	2.063
8	Total Chromium	mg/l	3111 B APHA Standard methods 21st edi)	0.02-150mg/l	0.38
9	Copper	mg/l	3111 B APHA Standard methods 21st edi)	0.01-150 mg/l	0.147
10	Nickel	mg/l	(3111 B APHA Standard methods 21st edi)	0.02-150 mg/l	0.388
11	Lead	mg/l	(3111 B APHA Standard methods 21st edi)	0.05-150 mg/l	BDL
12	Cadmium	mg/l	(3111 B APHA Standard methods 21st edi)	0.002-100 mg/l	BDL
13	Lindane	mg/l	-	-	IN PROCESS
14	Arsenic	mg/l	(3111 B APHA Standard methods 21st edi)	-	NA
15	Alpha B.H.C.	mg/l	-	-	IN PROCESS
16	D.D.T.	mg/l	-	-	IN PROCESS
17	Cobalt	mg/l	(3111 B APHA Standard methods 21st edi)	-	BDL
18	MERCURY	mg/l	(3111 B APHA Standard methods 21st edi)	-	NA
19	Aldrin	mg/l	-	-	IN PROCESS
20	Di-Aldrin	mg/l	-	-	IN PROCESS
21	o.p.DDT	mg/l	-	-	IN PROCESS
22	Chlorpyrifos	mg/l	-	-	IN PROCESS
23	p.p.DDT	mg/l	-	-	IN PROCESS
24	Malathion	mg/l	-	-	IN PROCESS
25	Parathion-methyl	mg/l	-	-	IN PROCESS
26	Beta BHC	mg/lit	-	-	IN PROCESS
27	Alpha Endosulphon	mg/lit	-	-	IN PROCESS
28	Beta Endosulphon	mg/lit	-	-	IN PROCESS
29	Carbamate	mg/lit	-	-	IN PROCESS
30	Carboryl	mg/lit	-	-	IN PROCESS
31	2,4,D	mg/lit	-	-	IN PROCESS

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**Laboratory Remarks** : Approved By:399-lab\_399 Dt.: 18/10/2022



**R.C.VASAVA,S.O**

Note :

1. The results relate only to the items sampled and tested.
2. Samples will be destroyed after 10 days from the date of issue of test report unless otherwise specified.
3. The report shall not be reproduced except in full or part without approval of the laboratory.
4. The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
5. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
6. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents
7. Physicochemical and microbiological parameters, Std.Methods for Water and Waste Water- 23nd Edition by APHA.
8. Bioassay test (for toxicity) -IS:6582:Part-2:2001; Reaffirmed 2007.

\*\*\* END OF TEST REPORT \*\*\*



# 197 GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,  
GANDHINAGAR - 382010,  
(T) 079-23232152

**BY R.P.A.D.**

**DIRECTION UNDER SECTION 33-A OF THE WATER (PREVENTION AND CONTROL OF POLLUTION) ACT-1974 (HEREINAFTER REFERRED TO AS THE "WATER ACT") AS AMENDED FROM TIME TO TIME.**

WHEREAS you Notified Area Authority(NAA) is operating Pumping Station at Plot No: 618,619, GIDC ANKLESHWAR, Dist: BHARUCH.

AND WHEREAS during the various inspections of pumping stations on **06/07/2022, 18/07/2022, 01/09/2022 and 30/09/2022** under Section -23 of the Water Act by the authorized officer of the Board it has been noticed and required to attend following issues:

1. During inspection on 06/07/2022, contaminated rain water flow is observed in GIDC storm water drain passing near pumping station-C from which contaminated rain water partially being diverted in to pumping station-C and remaining going to natural drain. Contaminated rain water from RCC bund wall in natural drain near C pumping station is found overflowing and found going in to Sarangpur Khadi. Analysis Report of the sample collected from Overflowing contaminated rain waste water sample collected from RCC bund wall near pumping station - C shows COD: 461 mg/l, NH3-N: 27.44 mg/l, Phenolic Compound: 0.46 mg/l.
2. During inspection on 06/07/2022, it is observed Kuchcha bund wall is provided in natural drain near Gujarat leather compound with two nos. of fighter pumps in natural drain, however both pumps are not found in operation hence overflow of contaminated run off/ waste water is observed going on during visit on 06/07/2022. Analysis Report of the sample collected from Overflowing contaminated rain waste water sample collected near Gujarat leather, near-B pumping station shows COD: 692 mg/l, NH3-N: 12.32 mg/l, Phenolic Compound: 0.29 mg/l.
3. During inspection of Final Pumping Station, NH -08, Valia Chokdi, Ankleshwar on 06/07/2022, contaminated run-off/ waste water overflow from RCC bund wall provided behind FPS is observed overflowing which goes into Amlakhadi and analysis Report of the sample collected from overflowing contaminated rain waste water of RCC bund wall b/h FPS- Ankleshwar shows COD: 210 mg/l, NH3-N: 22.4 mg/l, Phenolic Compound: 0.47 mg/l.
4. During inspection on 06/07/2022 at night, upstream area of the bund wall in natural drain near C pumping station is found almost full with contaminated waste water. RCC bund wall is provided in natural storm water drain at the backside of FPS and during visit contaminated waste water inflow in to FPS from natural drain through provided underground drain is observed going on, and minor contaminated water overflow from bund wall provided behind FPS is also observed.
5. A telephonic complaint is received regarding reddish coloured waste water flowing in GIDC Storm water drain near M/s. Hemani industries area, GIDC Ankleshwar and Reddish coloured waste water in GIDC storm water drain passing near M/s. Hemani Industries, UPL Limited unit 3, Glenmark life sciences limited is observed during inspection on 18/07/2022. Analysis Reports of the sample collected from GIDC storm water drain near upl-3 Chokdi, GIDC, Ankleshwar shows COD: 223 mg/l, NH3-N: 4.48 mg/l, Phenolic Compound: 0.26 mg/l.
6. It is observed on 18/07/2022, that a pipeline of Notified Area Authority Ankleshwar used for conveying industrial waste water from manhole on their u/g drainage system near Ramdev Chemical Chokdi ultimately to FPS is broken opposite M/s. RPG Life science and waste water from that point in GIDC storm water drain is observed reddish which further leads towards

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catchment area near B pumping station which ultimately leads towards Chhaparakhadi causing pollution. Bund wall near B pumping station is also observed broken during inspection.

7. Analysis Reports of the sample collected from GIDC u/g drainage manhole passing near m/s Ramdev chemical, GIDC, Ankleshwar on 18/07/2022 shows COD: 484 mg/l, NH<sub>3</sub>-N: 2.24 mg/l, Phenolic Compound: 0.58 mg/l and Analysis Reports of the sample collected from GIDC storm water drain near B pumping station which leading to Chhaparakhadi on 18/07/2022 shows COD: 2827 mg/l, NH<sub>3</sub>-N: 191.52 mg/l, Phenolic Compound: 0.10 mg/l.
8. A telephonic complaint received on 01/09/2022 regarding occurrence of fish kill incidence in river Amravati at vill: Uchhali and river Amravati is visited on 01/09/2022 passing at Vill: Uchhali on 01/09/2022 (Lat - 21.6483150, Long-73.0582880). During inspection, Ting Yellowish color water is observed flowing in the river Amravati and @ 100 Nos. of dead fishes (@ 3 to 10 cm length of fishes) are laying at the @ 50 m shore of river Amravati at vill: Uchhali. Afterwards the river Amravati passing near bridge on National Highway No: 48 is visited and @ 5-10 small dead fishes are laying at the shore of river Amravati.
9. Sarangpur Khadi is inspected on 01/09/2022 meeting with River Amravati in upstream of the location where dead fishes are observed at vill: Uchhali and it is observed that brownish colored wastewater is flowing in Sarangpur Khadi at this location which meets River Amravati. Analysis Report of the sample collected from Sarangpur khadi before mixing with river Amravati shows Dissolved Oxygen : Below Detection limit, COD: 570 mg/l, BOD: 130 mg/l, NH<sub>3</sub>-N: 114.8 mg/l and Phenolic compound: 0.89 mg/l.
10. Upstream of River Amravati before mixing of Sarangpur Khadi is also inspected on 01/09/2022 and it is observed slight Turbid and at this location no any dead fishes are observed.
11. Starting point of Sarangpur Khadi i.e. Bund wall near "C" Pumping station, GIDC Ankleshwar is also inspected on 01/09/2022, which is observed overflowing and wastewater goes into Sarangpur Khadi which ultimately meets River Amravati. Analysis Report of the sample collected from Overflowing waste water sample collected from downstream of RCC bund wall near C pumping station shows COD: 610 mg/l, BOD: 140 mg/l, NH<sub>3</sub>-N: 106.4 mg/l and Phenolic compound: 0.41 mg/l.
12. Again complaint is received on 30/09/2022 regarding Fish kill in River Amravati at Amratpura village and inspection of River Amravati is carried out on 30/09/2022 in this regard. During visit, dead fishes are observed floating and on shore of River Amravati at low level bridge of village Amratpura. Dead fishes are also observed at NH-8 Highway Bridge where dead fishes floating as well as on shore observed.
13. On upstream side Sarangpur khadi is mixed with River Amravati in which domestic wastewater from Sarangpur village area and contaminated runoff from GIDC Ankleshwar area comes in case of bund wall near Ankleshwar GIDC pumping station C is overflowing.
14. Analysis report of the sample collected on 30/09/2022 from (1) river Amravati before mixing Sarangpur khadi shows DO: 4.41 mg/l, COD: 38 mg/l, BOD: 3.38 mg/l, NH<sub>3</sub>-N: BDL, Phenolic compound: BDL. (2) Meeting point of Sarangpur khadi and river Amravati shows: DO: BDL, COD: 143 mg/l, BOD: 29 mg/l, NH<sub>3</sub>-N: 11.2 mg/l, Phenolic compound: BDL. (3) Amravati river after meeting Sarangpur khadi at downstream shows DO: 3.55 mg/l, COD: 58 mg/l, BOD<5 mg/l, NH<sub>3</sub>-N: 2.8 mg/l, Phenolic compound: BDL.
15. Analysis report of the sample collected from Sarangpur khadi on 30/09/2022 shows DO: BDL, COD: 279 mg/l, BOD: 60 mg/l, NH<sub>3</sub>-N: 25.2 mg/l, Phenolic compound: 0.17 mg/l.
16. GIDC Ankleshwar pumping station C is inspected on 30/09/2022 and during visit minor overflow of bund wall in front of GIDC pumping station C is observed and same was



# 199 GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,  
GANDHINAGAR - 382010,  
(T) 079-23232152

overflowing on 29/09/2022 as informed by operator of pumping station C due to rain fall in this area, this overflowing contaminated water ultimately reaches to River Amravati through Sarangpur khadi.

17. During inspection on 30/09/2022 pumping was also observed going on to lift this contaminated water from bund wall to pumping station still bund wall is observed overflowing. Analysis report of the sample collected from Overflowing bund wall near GIDC pumping station C shows DO: BDL, COD: 813 mg/l, BOD: 185 mg/l, NH3-N: 75.04, Phenolic compound: 1.71 mg/l.
18. You have not submitted time bound action plan to stop overflow of contaminated waste water into natural drain, Amlakhadi, Sarangpur khadi and failed to take any concrete action to stop overflowing of contaminated run off into Amravati River.

AND WHEREAS the non-compliance as narrated above, observed in your GIDC area is contributing to the pollution problem in Ankleshwar area.

UNDER THE CIRCUMSTANCES, as directed, I Arun G. Patel, Environment Engineer, Gujarat Pollution Control Board issue the direction under Section 33(A) of the Water Act - 1974 as under:

- 1) To submit time bound action plan forthwith to stop fish kill incident due to polluted water in River and to prevent overflowing of contaminated waste water discharge into Natural Khadi, Sarangpur Khadi, Chhaprakhadi and Amravati River.
- 2) To take necessary immediate concrete measures to prevent any effluent discharge/overflow into Sarangpur khadi causing pollution in Amravati River.
- 3) To provide Guard Ponds of adequate capacities to divert contaminated water into the same, in case of emergency situation as it is required to prevent waste water entering into surface water/bodies.
- 4) To take necessary actions/measures for attending leakages/overflow of drainage network and submit Action Taken report for the same so that no any waste water gets discharge into Natural Drain/khadi/River.
- 5) To submit progress of above ground pipe line network project.
- 6) To comply with Direction issued on 20/12/2019, 16/07/2020, 25/09/2020, 16/09/2021, 04/10/2021 and 30/08/2022.

IF the above direction is not complied, you are liable for prosecution under Section 41(2) of the Water (Prevention and Control of Pollution) Act-1974 which provides punishment with imprisonment for a term not less than one year and six months and may extend to six years and with fine.

This letter is issued with the approval of the competent authority

FOR AND ON BEHALF OF  
GUJARAT POLLUTION CONTROL BOARD

(Arun G. Patel)  
ENVIRONMENT ENGINEER

Clean Gujarat Green Gujarat

Website : <https://gpcb.gujarat.gov.in>

Outward No: 688227, 15/11/2022

NO: GPCB/ANK-C-1021(4)/ID:32825/

Date: \_\_/11/2022

✓ Issued to:

**THE CHIEF OFFICER,  
NOTIFIED AREA AUTHORITY, ANKLESHWAR GIDC  
PLOT NO: 618,619,  
GIDC ANKLESHWAR,  
Dist: BHARUCH.**

Copy To:

- **The Managing Director,**  
Gujarat Industrial Development Corporation (GIDC),  
2nd Floor, Block No.4,  
Udyog Bhavan, Sector-11,  
Gandhinagar.... For information and further necessary action.
- **Regional Officer,**  
Gujarat Pollution Control Board,  
Regional Office,  
Ankleshwar..... You are requested to follow up with the concerned to comply above direction within timeline.

Outward No:688227, 15/11/2022