

## EQUINOX TEST REPORT

Report Issue date: 18-Jul-23

Reference Number : EQNX:001:LAB: W:23:07:03321 A

ULR-TC682023000048999F

**INFORMATION PROVIDED BY CUSTOMER**

Client Name : Zorabian Chicks Pvt. Ltd. Sampling Location : Ground Floor, Processing Plant

Address : Mankivali village, Tal.- Khalapur, Dist.- Raigad Khalapur Maharashtra, India - 410201. Sample Description : RO Tap Water

Contact Person : Uday Gurav

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol : SOP-ENV-01-01 & SOP-MCB-39-00 Date of Sampling : 11-Jul-23

Sample Drawn By : Equinox Labs - Vishnu Biradar Date of Receipt : 12-Jul-23

Sample Quantity & Condition : 6 Ltr. water in a white HDPE bottle and 1 Ltr.water in a sterilized plastic bottle. Both bottles are intact without any leaks. Date of Start of Analysis : 12-Jul-23

Date of End of Analysis : 15-Jul-23

**RESULTS OF ANALYSIS**

Discipline: Chemical

Group: Water

Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Acceptable Limits (IS 10500:2012)
1	Turbidity	N.T.U	IS:3025:Part 10:1984 Reaff 2017	<1.0	Max 1
2	Colour	True Color units	IS:3025:Part 4: 2021	<1.0	Max 5
3	pH-Value	-	IS:3025:Part 11:1983 Reaff 2017	7.59	6.5-8.5
4	Taste	-	IS:3025:Part 8:1984 Reaff 2017	Agreeable	Agreeable
5	Odour	-	IS:3025:Part 5:2018	Agreeable	Agreeable
6	Electrical Conductivity	µS / cm	IS 3025:Part 14:2013Reaff 2019	560.0	Not specified
7	Total Dissolved Solids	mg / l	IS:3025:Part 16:1984 Reaff 2017 Amnd. 1	360.0	Max 500
8	Total Alkalinity, as CaCO <sub>3</sub>	mg / l	IS 3025 : Part 23 : 1986 Reaff 2019	148.0	Max 200
9	Total Hardness, as CaCO <sub>3</sub>	mg / l	IS 3025 : Part 21 : 2009 Reaff 2019	109.2	Max 200
10	Chlorides, as Cl	mg / l	IS 3025 : Part 32 : 1988 Reaff 2019	33.7	Max 250
11	Calcium, as Ca	mg / l	IS 3025 : Part 40 : 1991 Reaff 2019 Amnd.1	21.2	Max 75
12	Magnesium, as Mg	mg / l	IS 3025 : Part 46 : 1994 Reaff 2019 Amnd.	12.4	Max 30
13	Reactive Silica, As SiO <sub>2</sub>	mg / l	IS 3025 : Part 35 : 1988 Reaff 2019	22.7	Not specified
14	Nitrate	mg / l	IS 3025 : Part 34 : 1988 Reaff 2019	8.0	Max 45
15	Fluoride	mg / l	IS 3025 : Part 60 : 2008 Reaff 2019 Amnd.1	<0.1	Max 1
16	Phenolic Compound	mg / l	IS 3025 : Part 43 : 1992 Reaff 2019 Amnd.2	<0.001	Max 0.001
17	Sulphide	mg / l	IS:3025 Part 29:1986 Reaff 2019	<0.05	Max 0.05
18	Anionic Detergent	mg / l	APHA (23rd Edition) 5540 C	<0.05	Max 0.2
19	Ammonia	mg / l	IS 3025 : Part 34 : 1988 Reaff 2019	<0.1	Max 0.5
20	Cyanide	mg / l	IS:3025 Part 27:1986 Reaff 2014 Amnd. 1	<0.01	Max 0.05
21	Residual Free Chlorine	mg / l	IS 3025 : Part 26 : 2021	<0.05*	Min 0.2

Discipline: Chemical

Group: Residue and Contamination in Water

**Heavy Metals :**

1	Aluminium	mg / l	SOP-CHM-27-00	<0.01	Max 0.03
2	Barium	mg / l	SOP-CHM-27-00	<0.1	Max 0.7
3	Arsenic	mg / l	SOP-CHM-27-00	<0.001	Max 0.01
4	Boron	mg / l	SOP-CHM-27-00	<0.1	Max 0.5
5	Cadmium	mg / l	SOP-CHM-27-00	<0.001	Max 0.003
6	Chromium	mg / l	SOP-CHM-27-00	<0.001	Max 0.05



**Your Testing and Auditing Partner**

**Heavy Metals :**

7	Copper	mg / l	SOP-CHM-27-00	<0.01	Max 0.05
8	Iron	mg / l	SOP-CHM-27-00	<0.1	Max 1.0
9	Lead	mg / l	SOP-CHM-27-00	<0.01	Max 0.01
10	Manganese	mg / l	SOP-CHM-27-00	<0.1	Max 0.1
11	Mercury	mg / l	SOP-CHM-27-00	<0.001	Max 0.001
12	Selenium	mg / l	SOP-CHM-27-00	<0.005	Max 0.01
13	Silver	mg / l	SOP-CHM-27-00	<0.01	Max 0.1
14	Zinc	mg / l	SOP-CHM-27-00	<1.0	Max 5
15	Nickel	mg / l	SOP-CHM-27-00	<0.01	Max 0.02
16	Antimony as Sb	mg / l	SOP-CHM-27-00	<0.001	Not Specified
17	Molybdenum	mg / l	SOP-CHM-27-00	<0.05	Max 0.07

**PAH :**

1	Naphthalene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
2	Acenaphthylene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
3	2-Bromonaphthalene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
4	Acenaphthene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
5	Fluorene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
6	Phenanthrene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
7	Anthracene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
8	Fluoranthene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
9	Pyrene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
10	Benzo(a)Anthracene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
11	Chrysene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
12	Benzo(b)Fluoranthene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
13	Benzo(a)pyrene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
14	Indeno(1,2,3-CD)Pyrene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
15	Dibenz(a,h)Anthracene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001
16	Benzo(g,h,i)Perylene	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0001

**PCB :**

1	Chlorobiphenyl	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0005
2	2,3-Dichlorobiphenyl	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0005
3	2,4,5-Trichlorobiphenyl	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0005
4	2,2,4,4-Tetrachlorobiphenyl	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0005
5	2,2',3',4,6-Pentachlorobiphenyl	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0005
6	2,2',4,4',5,6'-Hexachlorobiphenyl	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0005
7	2,2',3,3',4,4',6-Heptachlorobiphenyl	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0005
8	2,2',3,3',4,4',6,6'-Octachlorobiphenyl	mg / l	SOP-CHM-38-00	<0.00001	Max 0.0005



**Your Testing and Auditing Partner**

Reference Number : EQNX:001:LAB: W:23:07:03321 A

ULR-TC682023000048999F

**Pesticides Residue :**

1	DDT (All Isomers)	µg/l	SOP-CHM-34-00	<0.01	Max 1
2	Gamma HCH (Lindane)	µg/l	SOP-CHM-34-00	<0.01	Max 2
3	Alpha, HCH	µg/l	SOP-CHM-34-00	<0.01	Max 0.01
4	Endosulphan (Alpha, Beta & Sulphate)	µg/l	SOP-CHM-34-00	<0.01	Max 0.4
5	Monocrotophos	µg/l	SOP-CHM-34-00	<0.01	Max 1
6	Ethion	µg/l	SOP-CHM-34-00	<0.01	Max 3
7	Chlorpyrifos	µg/l	SOP-CHM-34-00	<0.01	Max 30
8	Phorate	µg/l	SOP-CHM-34-00	<0.01	Max 2
9	2,4-Dichlorophenoxyacetic acid	µg/l	SOP-CHM-34-00	<0.01	Max 30
10	Butachlor	µg/l	SOP-CHM-34-00	<0.01	Max 125
11	Isoproturon	µg/l	SOP-CHM-34-00	<0.01	Max 9
12	Alachlor	µg/l	SOP-CHM-34-00	<0.01	Max 20
13	Atrazine	µg/l	SOP-CHM-34-00	<0.01	Max 2
14	Methyl Parathion	µg/l	SOP-CHM-34-00	<0.01	Max 0.3
15	Malathion	µg/l	SOP-CHM-34-00	<0.01	Max 190
16	Aldrin and Dieldrin	µg/l	SOP-CHM-34-00	<0.01	Max 0.03
17	Beta HCH	µg/l	SOP-CHM-34-00	<0.01	Max 0.04
18	Delta HCH	µg/l	SOP-CHM-34-00	<0.01	Max 0.04

**Discipline: Biological**

**Group: Water**

Sr. No.	Microbiological Parameters	Units	Methods	Results of Analysis	Acceptable Limits (IS 10500:2012)
1	Coliform	cfu / 100 ml	IS:15185:2016	Not Detected	Not Detectable
2	Escherichia coli	cfu / 100 ml		Not Detected	Not Detectable

\*To be applicable only when the water is chlorinated.

**Remark:** The sample conforms to IS 10500 : 2012 for the parameters tested.



Technical Manager - Microbiology  
(Authorised Signatory)  
Mrs. S. Gunjal




Quality Manager  
(Authorised Signatory)  
Mrs Manisha Kharade

**Note:**

1. This report is valid for the tested sample only.
2. Test report shall not be reproduced except in full & with written approval of Equinox Labs Private Limited.
3. This report should not be used for advertisement / judicial purpose.
4. The samples has been provided by the customer and results applied to the sample as received by the lab
5. The information provided by customer can affect the validity of results

**Your Testing and Auditing Partner**

## EQUINOX TEST REPORT

Report Issue date: 18-Jul-23

Reference Number : EQNX:001:LAB: W:23:07:03321 B

**INFORMATION PROVIDED BY CUSTOMER**

Client Name	Zorabian Chicks Pvt. Ltd.	Sampling Location	Ground Floor, Processing Plant
Address	Mankivali village, Tal.- Khalapur, Dist.- Raigad Khalapur Maharashtra, India - 410201.	Sample Description	RO Tap Water
Contact Person	Uday Gurav		

**PARTICULARS OF SAMPLE ANALYSED**

Sampling Protocol	SOP-ENV-01-01 & SOP-MCB-39-00	Date of Sampling	11-Jul-23
Sample Drawn By	Equinox Labs - Vishnu Biradar	Date of Receipt	12-Jul-23
Sample Quantity & Condition	6 Ltr. water in a white HDPE bottle and 1 Ltr. water in a sterilized plastic bottle. Both bottles are intact without any leaks.	Date of Start of Analysis	12-Jul-23
		Date of End of Analysis	15-Jul-23

**RESULTS OF ANALYSIS**

**Discipline:** Chemical

**Group:** Water

Sr. No.	Chemical Parameters	Units	Methods	Results of Analysis	Acceptable Limits (IS 10500:2012)
1	Sulphates, as SO <sub>4</sub>	mg / l	IS:3025 Part 24:1986 Reaff 2019	4.8	Max 200
2	Mineral Oil	mg / l	IS:3025 Part 39:1991 Reaff 2019 Amnd. 2	<0.01	Max 0.5
3	Chloramines	mg / l	IS 3025 (Part 26): 1986 Reaff 2019	<0.2	Max 4.0

**Discipline:** Chemical

**Group:** Residue and Contamination in Water

**Heavy Metals :**

1	Potassium	mg / l	SOP-CHM-27-00	3.98	Not Specified
2	Uranium	mg / l	By ICP-OES	BLQ	Max 0.03

**Trihalomethanes:**

1	Bromoform	mg / l	SOP-CHM-30-00	<0.001	Max 0.1
2	Dibromochloromethane	mg / l	SOP-CHM-30-00	<0.001	Max 0.1
3	Bromodichloromethane	mg / l	SOP-CHM-30-00	<0.001	Max 0.06
4	Chloroform	mg / l	SOP-CHM-30-00	<0.001	Max 0.2

**Discipline:** Biological

**Group:** Water

Sr. No.	Virology Parameters	Units	Methods	Results of Analysis	Acceptable Limits (IS 10500:2012)
1	MS2 phage	/l	EPA Method 1602	Absent	Absent

Sr. No.	Parasitology Parameters	Units	Methods	Results of Analysis	Acceptable Limits (IS 10500:2012)
1	Algae, Zooplanktons, Flagellates, Parasites, Toxin producing organisms	/100ml	APHA 10200 23rd Edition	Not Detected	Free from microscopic organisms

BLQ - Below Limit of Quantification  
LOQ (Limit of Quantification) for Uranium = 0.01mg / l

**Remark:** The sample conforms to IS 10500 : 2012 for the parameters tested.

  
Technical Manager - Microbiology  
(Authorised Signatory)  
Mrs. S. Gunjal

  
Quality Manager  
(Authorised Signatory)  
Mrs Manisha Kharade

Note:

1. This report is valid for the tested sample only.
2. Test report shall not be reproduced except in full & with written approval of Equinox Labs Private Limited.
3. This report should not be used for advertisement / judicial purpose.
4. The samples has been provided by the customer and results applied to the sample as received by the lab
5. The information provided by customer can affect the validity of results

## Your Testing and Auditing Partner