

ESSAR LABORATORIES & RESEARCH CENTRE



GOVT. OF INDIA
Approved for AGMARK Grading
ISO 9001 : 2015 CERTIFIED



#36, SUVIDHA COLONY, KESHWAPUR, HUBLI - 580023 (KARNATAKA)

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WATER ANALYSIS TEST REPORT

Page 1 of 1

Client : Giants English Medium School Akshay Park, Gokul Road, Hubli.	Certificate No. : ESSAR/7180 Date of Sampling : 22/07/2023 Tested : 24/07/2023 Ref No : Verbal-22/07/2023
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Sample details : Water sample as submitted by the party : Borewell Water Sample.

Test Device Details : Instrumental, Volumetric & Gravimetric

Source at : Hubli.

Procedure Used : IS:3025 APHA-AWA

Sl. No.	PARAMETER	Units	Test Method	Result	Requirement as per IS 10500:2012	
					Acceptable Limit	Permissible Limit
1.	Colour(Hezen)	--	IS 3025 (Part 4) 1983	0.8	5	15
2.	Odour	--	IS: 3025(Part 6)-1983	Agreeable	Agreeable	Agreeable
3.	Taste	--	IS: 3025(Part 7&8)	Agreeable	Agreeable	Agreeable
4.	Turbidity	NTU	IS: 3025(Part 10)-1984	0.9	1	5
5.	Hydrogen ion concentration(pH)	--	IS: 3025(Part 11)-1983	7.30	6.5 to 8.5	No Relaxation
6.	Electric Conductivity (EC)	µS/cm	IS 3025 (part 14)-1984	870	--	--
7.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (part 16)-1984	566	500	2000
8.	Total Hardness(TH)	mg/l	IS 3025 (part 21)	340	200	600
9.	Calcium (Ca ⁺⁺)	mg/l	IS 3025 (part 40)-1991	38.2	75	200
10.	Magnesium(Mg ⁺⁺)	mg/l	IS 3025 (part 46)-1994	15.6	30	100
11.	Chloride(Cl ⁻¹)	mg/l	IS 3025 (part 32)-1998	134	250	1000
12.	Fluoride(F ⁻¹)	mg/l	IS 3025 (part 60)-2008	0.7	1.0	1.5
13.	Sulphate(SO ₄ ⁻²)	mg/l	IS: 3025(Part 24)-1986	18	200	400
14.	Nitrates(NO ₃ ⁻¹)	mg/l	IS: 3025(Part 34)-1988	12	45	No Relaxation
15.	Iron(Fe)	mg/l	IS: 3025(Part 53)	0.08	0.3	No Relaxation
16.	Alkalinity	mg/l	IS: 3025(Part 23)-1986	260	200	600
17.	Total Suspended Solids	mg/l	IS: 3025(Part 17)-1984	Nil	--	--

BACTERIOLOGICAL PARAMETERS:

					Requirement	
18.	Total Coliforms	MPN/100 ml	IS : 1622-1981	ND	ND	
19.	E Coli	MPN/100 ml	IS : 1622-1981	ND	ND	

Inference as per IS 10500 :2012 Standards. BDL=Below Detectable Level. ND=Not Detected

REMARK : WITHIN THE PERMISSIBLE LIMITS FOR TESTED PARAMETERS.

Statement :

This report is confidential and should not be reproduced except in full without written approval of that laboratory.

The test results relate only to the items/samples tested. Endorsement of the product is not implied.

This report is strictly confidential and if any claim in legal disputes is not permitted.

Total liability of our Laboratory is limited to tested invoiced amount

Any dispute arising out of this report is subject to Hubli.Jurisdiction

Samples not drawn by us unless otherwise stated.

Chemist:

Chief Executive Officer:



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WATER ANALYSIS TEST REPORT

Page 1 of 1

Client : Giants English Medium School Akshay Park, Gokul Road, Hubli.	Certificate No. : ESSAR/7181 Date of Sampling : 22/07/2023 Tested : 24/07/2023 Ref No : Verbal-22/07/2023
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Sample details : Water sample as submitted by the party : Corporation Water Sample.

Test Device Details : Instrumental, Volumetric & Gravimetric

Source at : Hubli.

Procedure Used : IS:3025 APHA-AWA

Sl. No.	PARAMETER	Units	Test Method	Result	Requirement as per IS 10500:2012	
					Acceptable Limit	Permissible Limit
1.	Colour(Hezen)	--	IS 3025 (Part 4) 1983	0.1	5	15
2.	Odour	--	IS: 3025(Part 6)-1983	Agreeable	Agreeable	Agreeable
3.	Taste	--	IS: 3025(Part 7&8)	Agreeable	Agreeable	Agreeable
4.	Turbidity	NTU	IS: 3025(Part 10)-1984	0.2	1	5
5.	Hydrogen ion concentration(pH)	--	IS: 3025(Part 11)-1983	7.1	6.5 to 8.5	No Relaxation
6.	Electric Conductivity (EC)	µS/cm	IS 3025 (part 14)-1984	330	--	--
7.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (part 16)-1984	215	500	2000
8.	Total Hardness(TH)	mg/l	IS 3025 (part 21)	136	200	600
9.	Calcium (Ca ⁺⁺)	mg/l	IS 3025 (part 40)-1991	30.2	75	200
10.	Magnesium(Mg ⁺⁺)	mg/l	IS 3025 (part 46)-1994	12.3	30	100
11.	Chloride(Cl ⁻¹)	mg/l	IS 3025 (part 32)-1998	52	250	1000
12.	Fluoride(F ⁻¹)	mg/l	IS 3025 (part 60)-2008	0.4	1.0	1.5
13.	Sulphate(SO ₄ ⁻²)	mg/l	IS: 3025(Part 24)-1986	8	200	400
14.	Nitrates(NO ₃ ⁻¹)	mg/l	IS: 3025(Part 34)-1988	4	45	No Relaxation
15.	Iron(Fe)	mg/l	IS: 3025(Part 53)	0.02	0.3	No Relaxation
16.	Alkalinity	mg/l	IS: 3025(Part 23)-1986	104	200	600
17.	Total Suspended Solids	mg/l	IS: 3025(Part 17)-1984	Nil	--	--

BACTERIOLOGICAL PARAMETERS:

					Requirement
18.	Total Coliforms	MPN/100 ml	IS : 1622-1981	ND	ND
19.	E Coli	MPN/100 ml	IS : 1622-1981	ND	ND

Inference as per IS 10500 :2012 Standards. BDL=Below Detectable Level. ND=Not Detected

REMARK : WITHIN THE ACCEPTABLE LIMITS FOR TESTED PARAMETERS.

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Chemist:

Chief Executive Officer:

