



ग्लोबल इन्फोटेकनॉलॉजी

TEST REPORT

Address of the Customer:

Vijaya College  
South End Circle  
R V Road, Basavanagud  
Bengaluru, Karnataka 560004

Report No. DWD/2018/11/0002  
Date of Receipt 02/11/2018  
Date of Analysis 03/11/2018  
Date of Completion 05/11/2018  
Date of Report 05/11/2018  
Job Order No. DWD/2018/11/0002  
Sampling Type Grab  
Sampling Point Direct Bore well water tap  
Your Reference Verbal

Sample Particulars Bore well water

Date of Sampling 02/11/2018

Sample Qty. 2 Ltrs

Sample Marked HIGH SCHOOL

Sample Description : Colorless liquid having unobjectionable odor.

Sl. No.	TESTS	Units	Result	Requirement Acceptable Limits	Permissible limit in the absence of alternate source	Method
				(As per IS 10500:2012)		
<b>Chemical Test</b>						
1	Color	Hazen	<5(BDL)	5	15	IS 3025 (Part-4)1983 (Reaff:2002)
2	Odor	----	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5)1983(Reaff:2017)
3	pH Value	----	6.8	6.5-8.5	No relaxation	IS 3025 (Part-11)1983 (Reaff:2017)
4	Taste	-----	Agreeable	Agreeable	Agreeable	IS 3025 (Part-8)
5	Turbidity	NTU	2.3	1	5	IS 3025 (Part-10)1984 (Reaff:2017)
6	Total Dissolved Solids	mg/L	310	500	2000	IS 3025 (Part-16)1984 (Reaff:2017)
7	Calcium as Ca	mg/L	44	75	200	IS 3025 (Part-40)1991(Reaff:2014)
8	Chloride as Cl	mg/L	45	250	1000	IS 3025 (Part-32)1988 (Reaff:2014)
9	Fluoride as F	mg/L	<0.05(BDL)	1.0	1.5	APHA 23rd Edition 4500 -F:2017
10	Residual Free Chlorine	mg/L	<0.1(BDL)	0.2	1.0	IS 3025 (Part-26) 1984 (Reaff :2014)
11	Iron as Fe	mg/L	<0.1(BDL)	1.0	No relaxation	IS 3025 (Part-53)2003 (Reaff :2014)
12	Magnesium as Mg	mg/L	23	30	100	IS 3025 (Part-46)1994 (Reaff :2014)
13	Mineral Oil	mg/L	<0.1(BDL)	0.5	No relaxation	IS 3025 (Part-39)1991 (Reaff:2009)
14	Nitrate as No3	mg/L	1	45	No relaxation	APHA 23rd Edition 4500-NO3:2017

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15	Sulphate as SO <sub>4</sub>	mg/L	15	200	400	APHA 23rd Edition 4500 -E:2017
16	Total Alkalinity as CaCO <sub>3</sub>	mg/L	195	200	600	IS 3025 (Part-23)1986 (Reaff:2014)
17	Total Hardness as CaCO <sub>3</sub>	mg/L	202	200	600	IS 3025 (Part-21)2014
18	Chromium as Cr <sup>6+</sup>	mg/L	<0.05(BDL)	0.05	No relaxation	IS 3025 (Part-52)2017
19	Ammonia (as total ammonia- N)	mg/L	<0.1(BDL)	0.5	No relaxation	IS 3025 (Part-34)1988 (Reaff:2009)
20	Chloramines as Cl <sub>2</sub>	mg/L	<0.1(BDL)	4.0	No relaxation	IS 3025 (Part-26) 1984 (Reaff :2009)
21	Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	mg/L	<0.001(BDL)	0.001	0.002	IS 3025 (Part-43)1992
22	Anionic detergents as MBAS	mg/L	<0.1(BDL)	0.2	1.0	Annex J of IS 13248
23	Sulphide as H <sub>2</sub> S	mg/L	<0.05(BDL)	0.05	No relaxation	IS 3025 (Part-29)2009
24	Cyanide as CN	mg/L	BDL	0.05	No relaxation	IS 3025 (Part-27)2003

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<b>Heavy Metals</b>						
1	Aluminum as Al	mg/L	<0.022(BDL)	0.03	0.2	APHA 23rd Edition 3120 B:2017 (By ICP-OES)
2	Boron as B	mg/L	<0.03(BDL)	0.5	1.0	APHA 23rd Edition 3120 B:2017 (By ICP-OES)
3	Copper as Cu	mg/L	<0.03(BDL)	0.05	1.5	APHA 23rd Edition 3120 B:2017 (By ICP-OES)
4	Manganese as Mn	mg/L	<0.1(BDL)	0.1	0.3	APHA 23rd Edition 3120 B:2017 (By ICP-OES)
5	Selenium as Se	mg/L	<0.01(BDL)	0.01	No relaxation	APHA 23rd Edition 3120 B:2017 (By ICP-OES)
6	Zinc as Zn	mg/L	<0.02(BDL)	5	15	APHA 23rd Edition 3120 B:2017 (By ICP-OES)
7	Cadmium as Cd	mg/L	<0.003(BDL)	0.003	No relaxation	APHA 23rd Edition 3120 B:2017 (By ICP-OES)
8	Lead as Pb	mg/L	<0.01(BDL)	0.01	No relaxation	APHA 23rd Edition 3120 B:2017 (By ICP-OES)
9	Barium as Ba	mg/L	<0.03(BDL)	0.7	No relaxation	APHA 23rd Edition 3120 B:2017 (By ICP-OES)
10	Silver as Ag	mg/L	<0.1(BDL)	0.1	No relaxation	APHA 23rd Edition 3120 B:2017 (By ICP-OES)
11	Molybdenum as Mo	mg/L	<0.03(BDL)	0.07	No relaxation	APHA 23rd Edition 3120 B:2017 (By ICP-OES)
12	Nickel as Ni	mg/L	<0.02(BDL)	0.02	No relaxation	APHA 23rd Edition 3120 B:2017 (By ICP-OES)
13	Total Arsenic as As	mg/L	<0.01(BDL)	0.01	No relaxation	APHA 23rd Edition 3120 B:2017 (By ICP-OES)
14	Mercury as Hg	mg/L	<0.001(BDL)	0.001	No relaxation	APHA 23rd Edition 3120

  
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# Bangalore Analytical Research Center (P). Ltd.

ISO9001:2008,KSPCB

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14						B:2017 (By ICP-OES)

Remarks : The given sample meets to Permissible limits as per IS 10500:2012 for the above Physio-chemical test

Note:Sample preserved @2-8°C.

BDL-Below Detection Limit.

  
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