

NABL Accredited Laboratory as per ISO/IEC:17025:2005
Recognized by Ministry of Environment and Forest (MoEF), Govt. of India
ISO 9001: 2008 and OHSAS 18001: 2007 Certified Company

ENalyze*

TEST REPORT			Report No.HZB-JH/OSD/05/2024/1701
Name of Client and Address: M/s. SARNA ACADEMY KUSUM TOLA, PIPARWAR, CHATRA, JHARKHAND	Sample Code	HZB-JH/OSD/05/2024/661	
	Sample Location	Drinking Water	
	Sample Collected By	Biotech Pvt. Ltd.	
	Method of Sampling	IS:3025 (Part 1)	
	Sample Type	Drinking Water	
	Sample Collected On	28.05.2024	
	Sample Received on Date	28.05.2024	
	Analysis Date	28.05.2024 to 29.05.2024	
	Reporting Date	30.05.2024	
Sample returned /stored	Stored at 4 °C for 1 week from the date of reporting		

TEST PARAMETERS

Sr. No.	Parameter	Result	Limit as per IS:10500	Unit	Standard Method
1	Colour	1.0	<5	Hazen Units	IS:3025 Part-04 (R.A:2002)
2	Odour	Agreeable	Agreeable	--	IS:3025 Part-05 (R.A:2002)
2	Turbidity	0.37	<1.0	NTU	IS:3025 Part-10 (R.A:2002)
3	TDS	67.0	<500	Mg/Lit	IS:3025 Part-16 (R.A:2002)
Chemical Parameters					
1	pH	7.45	6.5 to 8.5	--	IS:3025 Part-11(R.A:2002)
2	Total Hardness as CaCO ₃	59.12	<200	mg/lit	IS:3025 Part-21(2009)
3	Total Alkalinity as CaCO ₃	42.46	<200	mg/lit	IS:3025 Part-23 (R.A:2003)
4	Chloride as Cl	14.82	<250	mg/lit	IS:3025 Part-32 (R.A:2003)
5	Sulphate as SO ₄	4.12	<200	mg/lit	APHA:22 nd edition-(4500-SO ₄ E)
6	Residual Chlorine	BDL	0.2	mg/lit	APHA:22 nd edition-(4500-Cl B)
7	Sulphides as S	BDL	<0.05	mg/lit	IS:3025 (Part 29)
8	Ammonia	BDL	<0.5	mg/lit	APHA:22 nd edition-(3500-Cr B)
9	Nitrate as NO ₃	1.0	<45.0	mg/lit	APHA:22 nd edition- (4500-F F)
10	Fluorides as F	0.24	<1.0	mg/lit	APHA: 22 nd edition-(4500-F F)
11	Phenol	BDL	<0.001	mg/lit	IS: 3025 Part-43(R.A: 2003)
12	Detergent	BDL	<0.2	mg/lit	APHA: 22 nd edition -(5540 C)
Elemental Parameters					
1	Calcium as Ca	21.12	<75.0	mg/lit	IS:3025 Part-02(2004)
2	Cadmium as Cd	BDL	<0.003	mg/lit	IS:3025 Part-02(2004)
3	Manganese as Mn	0.02	<0.1	mg/lit	IS:3025 Part -02(2004)
4	Iron as Fe	<0.1	<0.30	mg/lit	IS:3025 Part-02(2004)
5	Magnesium as Mg	4.45	<30.0	mg/lit	IS:3025 Part-02(2004)
6	Mercury as Hg	BDL	<0.001	mg/lit	IS:3025 Part-02(2004)
7	Selenium as Se	BDL	<0.01	mg/lit	IS:3025 Part-02(2004)
8	Zinc as Zn	0.32	<5	mg/lit	IS:3025 Part-02(2004)
9	Arsenic as As	BDL	<0.01	mg/lit	IS:3025 Part-02(2004)
10	Lead as Pb	BDL	<0.01	mg/lit	IS:3025 Part-02(2004)
11	Chromium as Cr	BDL	<0.03	mg/lit	IS:3025 Part-02(2004)

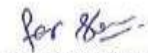
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12	Aluminum as Al	0.32	<0.03	mg/lit	IS:3025 Part-02(2004)
13	Copper as Cu	<0.02	<0.05	mg/lit	IS:3025 Part-02(2004)
14	Boron as B	0.02	<0.5	mg/lit	IS:3025 Part-02(2004)
15	Barium as Ba	0.003	<0.7	mg/lit	IS:3025 Part-02(2004)
16	Silver as Ag	BDL	<0.1	mg/lit	IS:3025 Part-02(2004)
17	Molybdenum as Mo	BDL	<0.07	mg/lit	IS:3025 Part-02(2004)
18	Nickel as Ni	<0.01	<0.02	mg/lit	IS:3025 Part-02(2004)
Microbiological Parameters					
1	Total Coliform	<2	Absent	MPN/100ml	IS: 1622 (R.A :1996)
2	Escherichia coli	<2	Absent	MPN/100ml	IS: 1622 (R.A :1996)

➤ **BDL** – Below Detectable Limit

➤ **Note:** For E-Coli and Coliform <2 can be considered as absent


Verified By - Dr. Neeta Zatakia
Technical Manager


Authorized By - Sarita Upadhye
Technical Manager


Govt. Analyst
Dr. Bikash Aich
Managing Director
-----End of Report-----

