

DISTRICT WATER TESTING LABORATORY, RWS&S DIVISION SAMBALPUR

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WATER ANALYSIS REPORT

TEST REPORT NO.- DWTLS 72/2022

Issue No.- 76

Date:- 14.11.2022



Sample Particulars		Details of Sampling	
Name of the Customer :-	THE PRINCIPAL, EKALAVYA MODEL RESIDENTIAL SCHOOL, KUCHINDA	Type of Source:-	Drinking Water
		Date of Sampling:-	NA
		Sample receive date:- Vide letter No.	Letter No-331 .- Dt.- 03.11.2022
Sample Package Condition:- a) Quantity of Sample Received – 1000 ml each b) Type of Container - PP (Poly Propiline)		Sample Registration Date:-	26.10.2022
		Sampling Protocol:-	NA
		Sample Collected by:-	Not Specified
		Sample Location:-	ACADEMIC BUILDINGS 01

TEST RESULT

Test started on-		09.11.2022		Test completed on-		11.11.2022	
Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method	
				Acceptable Limit	Permissible Limit in absence of alternate source		
1	Colour	Hazen Unit	1 – 1HU	1 HU	5 HU	APHA 23rd Ed. -2120-Colour Method B(Platinum Cobalt Visual Comparison) : 2017	
2	Odour	—	1 - Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) Second Revision: 2012	
3	pH at 25°C	pH Unit	1- 7.20	6.5 to 8.5	No relaxation	APHA, 23rd Ed.2017-4500+B: 2017	
4	Turbidity	NTU	1-0.21	1.0	5.0	APHA23rd Ed.2017-2130 B (Nephelometric Method): 2017	
5	*Elect. Conductivity	µmho/cm	1 – 146.3	—	—	APHA 23rd Ed.2017- 2510 B:: 2017	
6	Total Dissolved Solids (TDS)	mg/l	1 – 95.0	500	2000	APHA 23rd Ed. -2540-TDS Method C (Dried at 180 degree Celcius): 2017	

7	Chloride	mg/l	1 – 15.0	250	1000	APHA23rd Ed.2017-4500 Cl B (Argentometric Method): 2017
8	Total Hardness (as CaCO ₃)	mg/l	1 – 56.0	200	600	APHA23rd Ed. 2017- 2340 C (Titrimetric Method): 2017
9	Total Alkalinity (as CaCO ₃)	mg/l	1 – 28.0	200	600	APHA23rd Ed. 2017 2320 B(Titration Method): 2017
10	Calcium as Ca	mg/l	1 – 5.39	75	200	EDTA Titration Method (APHA 23'd Ed. - 3500 Ga B)
11	Magnesium as Mg	mg/l	1 – 1.06	30	100	Calculation Methoo (APHA 23'd Ed. - 3500 Mg B)
12	Total Iron	mg/l	1 – 0.11	1.0	No relaxation	APHA23rd Ed.2017- 3500 Fe B (Phenanthroline Method): 2017
13	*Fluoride	mg/l	1 – 0.27	1.50	1.50	Ion-Selective Electrode Method
14	*Residual Chlorine	mg/l	1 – 0.00	0.2	1.0	RC Comparator Method
15	*Nitrate	mg/l	1 – 4.266	45.0	45.0	Ion-Selective Electrode Method
16	*Total Coliform	MPN	1 – 0.0	0	0	MPN Method

Note :- The samples were tested with dilution

Information on Test Report :

Results relates only to samples received in the Laboratory.
 The test report shall not be reproduced except in full without written approval of DWTLs.
 *Indicates the parameter are not included in NABL scope
 #APHA – American Public Health Association

Checked & verified

Adas
 14.11.22
 Technical Manager

For Quality Manager

Adas
 14.11.22

District Water Testing Laboratory, Sambalpur
 Authorised Signatory