

**STATE WATER TESTING LABORATORY, R.W.S.&S., ODISHA
KHANDAGIRI, BHUBANESWAR**

Phone – (0674) 2951880; E-mail. – rwsscentrallabodisha@gmail.com



WATER ANALYSIS REPORT

TEST REPORT NO.- SWTL-TR/331/2021/S1
ULR - TC60942100000000458F
DATE OF ISSUE -05.07.2021



Cert. No. TC-6094
NABL Accredited Lab.

Sample Particulars		Details of Sampling	
Name of the Customer :-	Principal of Kendriya Vidyalaya No-5 Kalinganagar, Bhubaneswar	Type of Source:-	Bore Well
		Date of Sampling:-	Not Specified
		Sample receive date:- Vide letter No.	29.06.2021 / Vide letter No. K.V.No-5,BBSR/ 2021-22/1212/22.06.2021.
Sample Package Condition:- a) Quantity of Sample Received – 1Ltr(Each) b) Type of Container - pp		Sample Registration Date:-	29.06.2021
		Sampling Protocol:-	Samples are not collected by this laboratory.
		Sample Collected by:-	Not Specified
		Sample Location:-	Kendriya Vidyalaya No-5 Kalinganagar, Bhubaneswar

TEST RESULT

Test Started on-		29.06.2021		Test Completed on-		30.06.2021	
Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method	
				Acceptable Limit	Permissible Limit in absence of alternate source		
1	Temperature	°C	1- 25.4	----	-----	Instrumental Method	
2	pH	pH Unit	1- 6.18	6.5 to 8.5	No relaxation	Electrometric Method, (APHA 23 rd Ed 4500-H ⁺ B)	
3	Elect. Conductivity	µmho/cm	1- 71.0	----	----	Instrumental Method (APHA 23 rd Ed 2510 B)	
4	Chloride	mg/l	1- 16.0	250	1000	Argentometric Method (APHA 23 rd Ed 4500 – Cl- B)	
5	Total Hardness (as CaCO ₃)	mg/l	1- 40.0	200	600	EDTA Titrimetric Method (APHA 23 rd Ed 2340 C)	
6	Total Alkalinity (as CaCO ₃)	mg/l	1- 40.0	200	600	Titration Method (APHA 23 rd Ed. - 2320 B)	
7	Fluoride (as F ⁻)	mg/l	1- 0.0532	1.0	1.5	Ion -Selective Electrode Method (APHA 23 rd Ed. - 4500 F ⁻ °C)	
8	Iron	mg/l	1- 0.138	1.0	No relaxation	Phenanthroline Method (APHA 23 rd Ed 3500 – Fe B)	
9	Turbidity	NTU	1- 1.13	1.0	5.0	Nephelometric Method (APHA 23 rd Ed. - 2130. B)	
10	Nitrate(NO ₃ ⁻)	mg/l	1- 8.904	45.0	No Relaxation	Nitrate Electrode Method (APHA 23 rd Ed.-4500 –NO ₃ ⁻ D)	
11	Sulphate (SO ₄ ²⁻)	mg/l	1- 0.004	200	400	Turbidimetric Method (APHA 23 rd Ed. - 4500- SO ₄ ²⁻)	
12	Calcium (as Ca)	mg/l	1- 14.43	75	200	EDTA Titration Method (APHA 23 rd Ed. - 3500 Ca B)	
13	Magnesium (as Mg)	mg/l	1- 0.97	30	100	Calculation Method (APHA 23 rd Ed. - 3500 Mg B)	

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 SWTL.

APHA – American Public Health Association

Reviewed by

Technical Manager

Basudeb Sahoo

Attested
[Signature]

***** End of Report *****
प्राचार्य / PRINCIPAL
केन्द्रीय विद्यालय नं-५ / K.V.No.-5
भुवनेश्वर / Bhubaneswar
ओडिशा / Odisha

[Signature]
Analyst (Chemist) & Quality Manager.
State Water Testing Laboratory
Authorised Signatory

**STATE WATER TESTING LABORATORY, R.W.S.&S., ODISHA
KHANDAGIRI, BHUBANESWAR**

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WATER ANALYSIS REPORT

TEST REPORT NO.- SWTL-TR/331/2021/S1
DATE OF ISSUE - 06.07.2021

Sample Particulars		Details of Sampling	
Name of the Customer :- Principal of Kendriya Vidyalaya No-5 Kalinganagar, Bhubaneswar	Sample Package Condition:- a) Quantity of Sample Received -2 Ltr(Each) b) Type of Container - pp	Type of Source:-	Bore Well
		Date of Sampling:-	Not Specified
		Sample receive date:- Vide letter No.	29.06.2021 / Vide letter No. K.V.No-5,BBSR/2021-22/1212/22.06.2021.
		Sample Registration date:-	21.06.2021
		Sampling Protocol:-	Samples are not collected by this laboratory.
		Sample Collected by:-	Not Specified
		Sample Location:-	Kendriya Vidyalaya No-5 Kalinganagar, Bhubaneswar

TEST RESULT

Test Started on-		29.06.2021		Test Completed on-		30.06.2021	
Sl.	Test Parameters	Units	Result	Requirements IS 10500 : 2012		Test Method	
				Acceptable Limit	Permissible Limit in absence of alternate source		
1	Colour	Hazen Unit	1- 4.0	5	15	Visual Comparison Method	
2	Odour	----	1- Agreeable	Agreeable	Agreeable	----	
3	Taste	----	1- Agreeable	Agreeable	Agreeable	----	
4	Residual Chlorine	mg/l	1- Not detected	0.2	1.0	Visual Comparison Method (O T Method)	
5	Nitrogen(Ammonia)	mg/l	1- Not Detected	---	---	Visual Comparison Method	
6	TDS	mg/l	1- 46.15	500	2000	Calculation Method	
Bacteriological Test							
7	Total coliforms	MPN/100ml	1- <1.0	Shall not be detectable in any 100 ml Samples		Colilert-18/IDEXX-Quantity Tray. [Enzyme Substrate Test APHA 23 rd Ed 9223 -CI- B)	
8	E Coli	MPN/100ml	1- <1.0				
9	Faecal Coli	MPN/100ml	1- <1.0				

Note :- The samples were tested with dilution.

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Reviewed by

(Signature)
Technical Manager

Basudev Sahoo

(Signature)

प्राचार्य / PRINCIPAL

केन्द्रीय विद्यालय न-५ / K.V.No.-5

भुवनेश्वर / Bhubaneswar

***** End of Report *****

ओडिशा / Odisha

(Signature)
Analyst (Chemist) & Quality Manager.
State Water Testing Laboratory
Authorised Signatory