

DISTRICT WATER TESTING LABORATORY, R.W.S.&S.DIVISION, ANGUL at TALCHER,

Mob. -8280408908; E-mail. -distlabangul@gmail.com



WATER ANALYSIS REPORT

TEST REPORT NO.- DWTLA-TR/272/2024-25/S-1
ULR - TC1261724000000F
DATE OF ISSUE -13.06.2024



TC - 12617

Sample Particulars

Name of the Customer :- Adarsha International School Panchamahala (near R.T.O.Angul), Angul

Details of Sampling

Type of Source:- Ground Water
Date of Sampling:- Not Specified
Sample receive date:- Vide letter No. 11.06.2024/ Vide letter No. AIS/426/2024/ Dated 08.06.2024
Sample Registration Date:- 11.06.2024
Sampling Protocol:- Samples is not collected by this laboratory.
Sample Collected by:- Not Specified
Sample Location:- Adarsha International School Panchamahala (near R.T.O.Angul), Angul

Sample Package Condition:-

- a) Quantity of Sample Received -1000ml
- b) Type of Container - PP
- c) Sealed / Unsealed : Sealed

TEST RESULT

Test started on-		12.06.2024			Test completed on-		13.06.2024
Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method	
				Acceptable Limit	Permissible Limit in absence of alternate source		
1	Temperature	°C	25.4°C	-----	-----	Laboratory and Field Method (APHA 24 rd Ed 2550 B)	
2	pH at 25.4°C	pH Unit	7.58	6.5 to 8.5	No relaxation		
3	Elect. Conductivity	µmho/cm	186.9	---	---	Electrometric Method, (APHA 24 rd Ed 4500-H ⁺ B)	
4	Turbidity	NTU	0.42	1.0	5.0	Instrumental Method (APHA 24 rd Ed 2510 B)	
5	Chloride	mg/l	28.0	250	1000	Nephelometric Method (APHA 24 rd Ed. - 2130. B)	
6	Total Alkalinity (as CaCO ₃)	mg/l	96.0	200	600	Argentometric Method (APHA 24 rd Ed 4500 - Cl- B)	
7	Total Hardness (as CaCO ₃)	mg/l	114.0	200	600	Titration Method (APHA 24 rd Ed. - 2320 B)	
8	Iron	mg/l	0.143	1.0	No relaxation	EDTA Titrimetric Method (APHA 24 rd Ed 2340 C)	
						Phenanthroline Method (APHA 24 rd Ed 3500 - Fe 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 DWTLA.

#APHA – American Public Health Association

Checked & Reviewed by

Satya
13.06.2024
Technical Manager

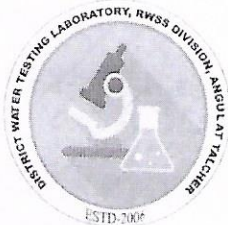
Satya
Quality Manager 13/06/2024

District Water Testing Laboratory
RWS&S Division, Angul at Talcher
Authorised Signatory

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

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		Sample Registration Date:-	11.06.2024
		Sampling Protocol:-	Samples are not collected by this laboratory
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Sample Package Condition:-			
a) Quantity of Sample Received -1000ml			
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TEST RESULT

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Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method
				Acceptable Limit	Permissible Limit in absence of alternate source	
1	Temperature	°C	25.4°C	-----	-----	Laboratory and Field Method (APHA 24 rd Ed 2550 B)
2	TDS	mg/l	121.4	500	2000	Calculation Method
3	Fluoride	mg/l	0.105	1.0	1.5	Ion -Selective Electrode Method (APHA 24 rd Ed. - 4500 F -C)
4	Nitrate	mg/l	0.214	45.0	No relaxation	Nitrate Electrode Method (APHA 24 rd Ed -4500 -NO ₃ ⁻ D)
5	Sulphate (SO ₄ ²⁻)	mg/l	1.08	200	400	Turbidimetric Method (APHA 24 rd Ed. - 4500- SO ₄ ²⁻)
6	Calcium (as Ca)	mg/l	22.32	75	200	EDTA Titration Method (APHA 24 rd Ed. - 3500 Ca B)
7	Magnesium (as Mg)	mg/l	11.23	30	100	Calculation Method (APHA 24 rd Ed. - 3500 Mg B)
8	Colour	--	Clear	-----	-----	Visual Comparison Method
9	Test	-	Agreeable	Agreeable	Agreeable	-----
10	Odour	--	Agreeable	Agreeable	Agreeable	-----
11	Residual Chlorine	mg/l	Not detected	0.2	1.0	Visual Comparison Method (O T Method)

Bacteriological Test

1	Total coliforms	MPN/ 100ml	0.00	Shall not be detectable in any 100 ml Samples	Colilert-18/IDEXX-Quantity Tray. [Enzyme Substrate Test APHA 24 rd Ed 9223 -CI- B)
2	E Coli	MPN/ 100ml	0.00		

Note :- The samples were tested with dilution.

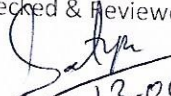
Information on Test Report :

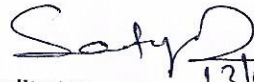
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