



**QUALITY CONTROL DISTRICT LAB
KERALA WATER AUTHORITY,**

VADAVATHOOR, KOTTAYAM

Telephone No. 0481-2994540,, Email- qcdlkottayam@gmail.com



TC-10495

Test Report

ULR – TC1049523000000802F

Report No: K1045/KTM/11/2023	Date: 17.11.2023
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Customer Name & Address The Principal Vivekananda Vidya Mandir, Kangazha P O, Pathanadu	1.Date of Receipt	14.11.2023
	2.Sampling done by	CHC EDAYARIKKAPUZHA
	3.Sample Code	2023/QC/KTM/K 4916
	4.Source of Sample	DRINKING WATER
	5.Sample Quantity	2 Litre
	6 Sample condition	Acceptable
	7.Test performing date: 15.11.2023 -16.11.2023	

Sl. No	Characteristics	Unit	Test Method	Desirable limits As per IS 10500:2012	Limit of detection	Result
1	Colour	HU	APHA-24 th Edition- 2120 colour method B	5	1 to 100	1
2	Odour		IS 3025 (part 5) – 2018		Agreeable/Disagreeable	Agreeable
3	Taste		IS 3025(part8)-1984(Reaffirmed 2023)		Objectionable/Not Objectionable	Not Objectionable
4	Turbidity	NTU	IS 3025(part10)-1984 (Reaffirmed 2023)	1	0.5 to 100	0.17
5	pH at 25 °C		IS 3025(part 11)-1983 (Reaffirmed 2022)	6.5 - 8.5	2 to 12	7.59
6	Total Alkalinity (as CaCO ₃)	mg/l	IS 3025(part 23)-1986 (Reaffirmed 2023)	200	5 to 2000	19.8
7	Total dissolved solids (TDS)at 180 °C	mg/l	IS 3025(part16)-1984 (Reaffirmed 2023)	500	5 to 10000	117.6
8	Total hardness (as CaCO ₃)	mg/l	IS 3025(part21)-2009 (Reaffirmed 2019)	200	5 to 5000	50
9	Calcium (as Ca)	mg/l	IS 3025(part40)-1991 (Reaffirmed 2019)	75	5 to 2000	11.2
10	Magnesium (as Mg)	mg/l	APHA 24 th Edition 3500 – Mg method B	30	5 to 1000	5.34
11	Chloride (as Cl)	mg/l	IS 3025(part32)-1988 (Reaffirmed 2019)	250	5 to 5000	22

Remarks:-

NB:- The result stated above related only to the sample(s)submitted for testing. This test Certificate shall not be reproduced except in full without the written approval of the laboratory

- *Samples will be retained only for 7 days after completion of analysis
- *Sampling is not done by the Lab
- *BDL – Below Detection Limit
- *NT- Not Tested

Verified By
Dhanyamol.k

Dhanyamol.k

MANAGER
VIVEKANANDA VIDYA MANDIR
KANGAZHA P. O., PIN: 686 541
KOTTAYAM DISTRICT, KERALA

Office of the Asst. Engineer
KOTTAYAM
Date: 17/11/2023
Quality Control Dist Lab. K. W. A.



Sai
PRINCIPAL
Vivekananda Vidya Mandir
Kangazha P.O., Pathanadu
PIN : 686 541

Authorized Signatory
(Signature with name)
Bindhu Cherian
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QUALITY CONTROL DISTRICT LAB
KERALA WATER AUTHORITY
 VADAVATHOOR, KOTTAYAM
 Telephone No. 0481 2302391, Email- qcdlkottayam@gmail.com

Test Report

Report No:K1045/KTM/11/2023	Date:17.11.2023
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Customer Name & Address The Principal Vivekananda Vidya Mandir, Kangazha P O, Pathanadu	1.Date of Receipt	14.11.2023
	2.Sampling done by	CHC EDAYARIKKAPUZHA
	3.Sample Code	2023/QC/KTM/K 4916
	4.Source of Sample	DRINKING WATER
	5.Sample Quantity	2 Litre
	6.Sample Condition	Acceptable
	7.Test performing dates:15.11.2023 -16.11.2023	

Sl. No	Characteristics	Unit	Test Method	Desirable limits as per IS 10500:2012	Limit of detection	Result
1	Electrical conductivity at 25 °C	µS/cm	IS 3025(part14)-2013 (Reaffirmed 2019)		10 µS/cm-20000 µS/cm	180.9
2	Acidity	(mg/litre)	IS 3025(part22)-1986 (Reaffirmed 2019)		5 to 2000	8
3	Sulphate (as SO ₄)	(mg/litre)	IS 3025(part24)-1986 (Reaffirmed 2022)	200	1 to 1000	32.46
4	Fluoride (as F)	(mg/litre)	APHA 24 th Edition 4500 – F D	1	0.1 to 10	BDL
5	Iron (as Fe)	(mg/litre)	IS 3025(part53)-2003 (Reaffirmed 2014)	1	0.1 to 10	0.36
6	Nitrate(as NO ₃)	(mg/litre)	APHA24 th Edition 4500-NO ₃ B	45	1 to 100	8.50
7	Residual Chlorine	(mg/litre)	KIT METHOD	0.2		NIL
8	Dissolved Oxygen	(mg/litre)	IS 3025 (Part 38) 1989 (Reaffirmed 2019)			NT
9	Chemical Oxygen demand	(mg/litre)	IS 3025 (Part 58) 2006 (Reaffirmed 2023)			NT

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- *BDL – Below Detection Limit
- *NT- Not Tested



PRINCIPAL
 Vivekananda Vidya Mandir
 Kangazha P.O., Pathanadu
 PIN : 686 541

MANAGER
 VIVEKANANDA VIDYA MANDIR
 KANGAZHA P. O., PIN: 686 541
 KOTTAYAM DISTRICT, KERALA
 Date 17/11/2023
 Quality Control Dist Lab Rev. 04

Verified By
 Dhanyamol-K
 KWA/QC/KTM/AR/F3 Issue No.02

Authorized Signatory
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Rev. Date: 30.09.2023
 SANJANA Binodhini Chery
 QUALITY CONTROL DISTRICT
 KERALA WATER AUTHORITY
 KOTTAYAM - 686002



QUALITY CONTROL DISTRICT LAB
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TEST REPORT

Report No:1045/KTM/11/2023

Date: 17.11.2023

Customer Name & Address The Principal Vivekananda Vidya Mandir, Kangazha P O, Pathanadu	1.Date of Receipt	14.11.2023
	2.Sampling done by	CHC EDAYARIKKAPUZHA
	3.Sample Code	2023/QC/KTM/K4916
	4.Source of Sample	DRINKING WATER
	5.Sample Quantity	100 ml
	6.Sample Condition	Acceptable
	7.Test performing dates	14.11.2023 TO 17.11.2023

BACTERIOLOGICAL ANALYSIS

Sl No.	Parameters	Acceptable limits as per – IS 10500-2012	Test Method	Result
1	Coliforms	Shall not be detected/100ml	IS 15185:2016	ABSENT
2	E-coli	Shall not be detected/100ml	IS 15185:2016	ABSENT

Test method

Coliforms: Membrane Filtration Method

E. coli: Membrane Filtration Method

Remarks: -

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Vinaya

Vinaya Vinod
Bacteriologist
QCDL, Kottayam

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Rev. Date : 00

KWA/QC/KTM/AR/1045
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Issue Date : 22.10.2021

Rev. No.00