



KERALA WATER AUTHORITY



TC 9688

TEST REPORT (PHYSICAL & CHEMICAL)

ULR No:TC9688240000003789F			Report Issue Date : 28-09-2024		
Customer Name & Address		Date of Receipt		27-09-2024	
BES Bharathi Thirtha Vidyalayam Englih Medium Higher Secondary School Kallekkad Palakkad- 678006		Sample Received From		Customer	
		Sample Name		Water	
		Sample Condition		Good	
		Sample Code		PKD/3789F	
		Source of Sample		Malampuzha Tap Water	
		Purpose of Test		Commercial	
		Sample Quantity		2.Litre	
		Test performing date		From: 27-09-2024 to 28-09-2024	
Sl.No	Characteristics	Unit	Test Method	Acceptable Limit as per IS 10500-2012	Result
1	Colour	HU	IS 3025 (Part 4) - 2021 Platinum Cobolt Visual Composition Method	5	5
2	Turbidity NTU	NTU	IS 3025 (Part 10) - 2023 Nephelometric Method	1.00	0.08
3	pH at 25 ± 2° C	-	IS 3025 (Part 11) - 2022 Electrometric Method	6.5 to 8.5	7.47
4	Electrical Conductivity	micro mhos/cm	IS 3025 (Part 14) - 2019	-	195.30
5	Total Alkalinity (as CaCO ₃)	mg/l	IS 3025 (Part 23) - 2019 Indicator Method	200.00	58.32
6	Sulphate (as SO ₄)	mg/l	IS 3025 (part 24) -2022 Turbidity Method	200.00	20.97
7	Total Dissolvd Solids (TDS) at 180° C ± 2° C	mg/l	IS 3025 (Part 16) - 2023 Gravimetric Method	500.00	109.40
8	Total Hardness (as Ca CO ₃)	mg/l	Is 3025 (Part 16) - 2019 EDTA Method	200.00	62.37
9	Calcium (Ca)	mg/l	IS 3025 (Part 40) - 2019 EDTA Method	75.00	19.82
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) - 2019 Calculation Method	30.00	3.84
11	Chloride (as Cl)	mg/l	IS 3025 (Part 32) - 2019 Argentometric Method	250.00	17.82
12	Fluoride (as F)	mg/l	APHA 23rd Edition 4500 - FD : 2017 SPANDS Method	1.00	0.18
13	Nitrate (as NO ₃)	mg/l	APHA 23rd Edition 4500 - NO ₃ B : 2017 U V Spectro Photometric Screening Method	45.00	0.77
14	Iron (as Fe)	mg/l	IS 3025 (Part 53) - 2019 1,10 Phenanthrolin Method	1.00	0.04

Remarks :-

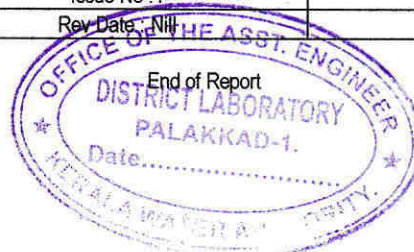
- NB:- 1.The result stated above related only to the sample(s) submitted for testing .
- 2.The samples retain for 7 days from the date of issue.
3. The test certificate shall not be reproduced except in full without the written approval of the Laboratory.

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KWA/QCDL/PKD/10-2020	Issue No :1	Issue Date : 13-10-2020
Rev No : Nill	Rev Date : Nill	Page 1 of 1

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End of Report

Date.....



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TEST REPORT (PHYSICAL & CHEMICAL)

44			Report Issue Date : 28-09-2024		
Customer Name & Address			Date of Receipt	27-09-2024	
BES Bharathi Thirtha Vidyalayam Englih Medium Higher Secondary School Kallekkad Palakkad- 678006			Sample Name	Water	
			Sample Condition	Good	
			Sample Code	PKD/3789F	
			Source of Sample	Malampuzha Tap Water	
			Sample Quantity	2.Litre	
			Purpose of Test	Commercial	
			Test performing date	From; 27-09-2024 to 28-09-2024	
			Test Method	Acceptable Limit as per IS 10500-2012	Result
1	Acidity	mg/l	IS 3025(Part 22)-1986(Reaffirmed 2019)	-	1.00
2	Total Suspended Solids (TSS)	mg/l	APHA 23rd Edition 2540 D Total Suspended Solids Dried at 103-105°C	30.00	2.00

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KWA/QCDL/PKD /10-2020	Issue No : 1	Issue Date :	13/10/2020
Rev No:Nil	Rev,Date :Nil	Page 2 of 2	

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OFFICE OF THE ASSISTANT ENGINEER
QUALITY CONTROL DISTRICT LAB
PALAKKAD – 678 001



TEST REPORT (BACTERIOLOGICAL)

9

BES Bharathi Thirtha Vidhyalayam English Higher Secondary School Kallekkad Palakkad- 678006			Sampling Done by		Customer
			Sample Quantity		100 ml
			Source of Sample		Filter Water
			Purpose of Test		Commercial
			Test performing date		From; 04/10/2024 to 05/10/2024
Sl.No	Characteristics	Parameters	Test Method	Acceptable Limit as per - IS 10500-2012	Result
1	Coliform	Total Coliforms in 100ml	IS 15185: 2016 ISO 9308 -1 : 2014 Membrane Filtration Technique	Shall not be detected /100ml	Absent
2	E.Coli	Total E.Coli im 100ml	IS 15185: 2016 ISO 9308 -1 : 2014 Membrane Filtration Technique	Shall not be detected /100ml	Absent

Remarks :-

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5/10/2024
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Ref No:Nil	Rev,Date :Nil	

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