



Government Analysts' Laboratory
 Commissioner of Food Safety
 Department of Health and Family Welfare
 Thiruvananthapuram
 Ph: No. 0471-2472192



Report No.30314 Part A /2024-25

Dated: 19.07.2024
 ULR No. TC 545524000001851F
 Chemical Testing - Water

TEST REPORT

Description of Sample : **Kerala Water Authority**
 Sample details : The sample received in plastic can
 Source : **Cordova Public School, N.H. Bypass, Cordova Nagar, Ambalathara, Poonthura.P.O., Trivandrum**
 Date of Receipt : 06.06.2024
 Date of Analysis : Started on 15.07.2024 and completed on 18.07.2024
 Quantity of Sample : 2L
 Physical Appearance : Clear liquid

Sl. No.	Characteristics	Name of method of test used	Result	Acceptable limit as per IS No. 10500:2012 (with amendment nos.1,2,3 & 4)
1.	Colour (Hazen Unit)	IS 3025 Part 4:2021	BDL LOD-2 HU	5
2.	Odour	FSSAI Manual for analysis of water 2016-section A-1 (2)	Agreeable	Agreeable
3.	pH	IS 3025 Part 11:2022	6.72	6.5 to 8.5
4.	Total Dissolved Solids (mg/l)	FSSAI Manual for analysis of water 2016-section A-1 (6)	61.56	Maximum 500.0
5.	Total Hardness as (as CaCO ₃) (mg/l)	IS 3025 Part 21:2009; RA 2019	24.0	Maximum 200.0
6.	Alkalinity (mg/l)	IS 3025 Part 23:2023/IS 3025 Part 22:1986; RA 2019	12.0	Maximum 200.0
7.	Iron (as Fe) (mg/l)	APHA 24 th Edition 2023(3500 Fe-B)	BLQ LOQ-0.2 mg/l	Maximum 1.0
8.	Chloride (as Cl) (mg/l)	IS 3025 Part 32: 1988; RA 2019	7.87	Maximum 250.0
9.	Sulphate (a SO ₄) (mg/l)	APHA 24 th Edition 2023 (4500 -SO ₄ ²⁻ -E)	BLQ LOQ-5.0 mg/l	Maximum 200.0
10.	Residual Free Chlorine (mg/l)	IS 3025 Part 26:2021	0.2	Minimum 0.2
11.	Nitrate (as NO ₃) (mg/l)	APHA 24 th Edition 2023 (4500- NO ₃ ⁻ -B)	5.51	Maximum 45.0
12.	Ammonia as (as total ammonia -N) (mg/l)	APHA 24 th Edition 2023 (4500-NH ₃ -F)	BLQ LOQ-0.1 mg/l	Maximum 0.5
13.	Turbidity (NTU)	IS 3025 Part 10:2023	0.22	Maximum 1

(LOD - Limit of Detection) (BDL- Below Detection Limit) (BLQ-Below Limit of Quantification) (LOQ-Limit of Quantification)

[Signature]
 Food Analyst



Note: 1. The test report relates to the tested parameters and tested item (as received) only.
 2. The report shall not be reproduced except in full without the approval of the laboratory.
 3. Complete report includes both Part A and Part B

- End of the Report -

Government Analysts' Laboratory
 Commissioner of Food Safety
 Department of Health and Family Welfare
 Thiruvananthapuram
 Ph: No. 0471-2472192

Report No.30314 Part B /2024-25

Dated:19.07.2024

TEST REPORT

Description of Sample : **Kerala Water Authority**
 Sample details : The sample received in a sterile bottle
 Source : **Cordova Public School, N.H. Bypass, Cordova Nagar, Ambalathara, Poonthura.P.O., Trivandrum**
 Date of Receipt : 06.06.2024
 Date of Analysis : Started on 18.06.2024 and completed on 20.06.2024
 Quantity of Sample : 125 ml
 Physical Appearance : Clear liquid

Sl. No.	Characteristics	Name of method of test used	Result	Acceptable limit as per IS No. 10500:2012 (with amendment nos.1,2,3 & 4)
1	Coliforms	IS 1622 -1981 Reaffirmed 2019	<2MPN/ 100 ml	<2 MPN/100ml
2	E.Coli	IS 1622 -1981 Reaffirmed 2019	Absent/100 ml	Absent/100ml

Opinion: വെള്ളത്തിന്റെ പരിശോധനാഫലം തൃപ്തികരം.

[Signature]
 Food Analyst



Note: 1. The test report relates to the tested parameters and tested item (as received) only.
 2. The report shall not be reproduced except in full without the approval of the laboratory.
 3. Complete report includes both Part A and Part B

- End of the Report -