



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



Report No. 29973 Part A /2024-25

Dated: 06.06.2024

ULR No. TC 545524000001933F

Chemical Testing - Water

**TEST REPORT**

Description of Sample: **Well**

Sample details : The sample received in plastic bottle.

Source : **Christ Nagar Central School, Kuchapuram, Amachal .P.O.**

Date of Receipt : 14.05.2024

Date of Analysis : Started on 15.05.2024 and completed on 04.06.2024

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)	Maximum 5
2.	Odour	FSSAI Manual for analysis of water 2016-section A-I (2)	Agreeable	Agreeable
3.	pH	IS 3025 Part 11:2022	7.05	6.5 to 8.5
4.	Total Dissolved Solids (mg/l)	FSSAI Manual for analysis of water 2016-section A-I (6)	42.38	Maximum 500.0
5.	Total Hardness as (as CaCO <sub>3</sub> ) (mg/l)	IS 3025 Part 21:2009; RA 2019	16.0	Maximum 200.0
6.	Alkalinity (mg/l)	IS 3025 Part 23:2023;RA 2019	16.0	Maximum 200.0
7.	Iron (as Fe) (mg/l)	APHA 24 <sup>th</sup> 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	11.95	Maximum 250.0
9.	Sulphates (a SO <sub>4</sub> ) (mg/l)	APHA 24 <sup>th</sup> Edition 2023 (4500 -SO <sub>4</sub> <sup>2-</sup> -E)	BLQ (LOQ-5.0 mg/l)	Maximum 200.0
10.	Nitrate (as NO <sub>3</sub> ) (mg/l)	APHA 24 <sup>th</sup> Edition 2023 (4500 - NO <sub>3</sub> <sup>-</sup> -B)	BLQ (LOQ-1.0 mg/l)	Maximum 45.0
11.	Ammonia (as total ammonia -N) (mg/l)	APHA 24 <sup>th</sup> Edition 2023 (4500 - NH <sub>3</sub> <sup>-</sup> -F)	Nil	Maximum 0.5
12.	Turbidity (NTU)	IS 3025 Part 10:2023	0.02	Maximum 1.0

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

**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 ---

  
Food Analyst



Report No. 29973 Part B /2024-25

Dated: 06.06.2024

TEST REPORT

Description of Sample: **Well**  
Sample details : The sample received in sterile bottle.  
Source : **Christ Nagar Central School, Kuchapuram, Amachal .P.O.**  
Date of Receipt : 14.05.2024  
Date of Analysis : Started on 15.05.2024 and completed on 04.06.2024  
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	<2 MPN/ 100 ml	<2 MPN/100 ml
2	E.Coli	IS 1622 -1981 Reaffirmed 2019	Absent/100 ml	Absent /100 ml

Opinion: വെള്ളത്തിന്റെ പരിശോധനാഫലം തൃപ്തികരം.

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 ---

  
**Food Analyst**  




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



Report No. 29977 Part A /2024-25

Dated: 06.06.2024

ULR No. TC 545524000001937F

Chemical Testing - Water

TEST REPORT

Description of Sample: **Bore Well**  
Sample details : The sample received in plastic can.  
Source : **Christ Nagar Central School, Kuchapuram, Amachal .P.O-695 572.**  
Date of Receipt : 14.05.2024  
Date of Analysis : Started on 15.05.2024 and completed on 06.06.2024  
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)	Maximum 5
2.	Odour	FSSAI Manual for analysis of water 2016-section A-I (2)	Agreeable	Agreeable
3.	pH	IS 3025 Part 11:2022	7.16	6.5 to 8.5
4.	Total Dissolved Solids (mg/l)	FSSAI Manual for analysis of water 2016-section A-I (6)	65.43	Maximum 500.0
5.	Total Hardness as (as CaCO <sub>3</sub> ) (mg/l)	IS 3025 Part 21:2009; RA 2019	20.0	Maximum 200.0
6.	Alkalinity (mg/l)	IS 3025 Part 23:2023;RA 2019	24.0	Maximum 200.0
7.	Iron (as Fe) (mg/l)	APHA 24 <sup>th</sup> 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	15.93	Maximum 250.0
9.	Sulphates (a SO <sub>4</sub> ) (mg/l)	APHA 24 <sup>th</sup> Edition 2023 (4500 -SO <sub>4</sub> <sup>2-</sup> -E)	BLQ (LOQ-5.0 mg/l)	Maximum 200.0
10.	Nitrate (as NO <sub>3</sub> ) (mg/l)	APHA 24 <sup>th</sup> Edition 2023 (4500 - NO <sub>3</sub> <sup>-</sup> -B)	1.08	Maximum 45.0
11.	Ammonia (as total ammonia -N) (mg/l)	APHA 24 <sup>th</sup> Edition 2023 (4500 - NH <sub>3</sub> <sup>-</sup> -F)	BLQ (LOQ-0.1 mg/l)	Maximum 0.5
12.	Turbidity (NTU)	IS 3025 Part 10:2023	0.17	Maximum 1.0

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

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

Food Analyst

---End of the Report---



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



Report No. 29977 Part B /2024-25


Dated: 06.06.2024

TEST REPORT

Description of Sample: **Bore Well**  
Sample details : The sample received in sterile bottle.  
Source : **Christ Nagar Central School, Kuchapuram, Amachal .P.O-695 572.**  
Date of Receipt : 14.05.2024  
Date of Analysis : Started on 15.05.2024 and completed on 06.06.2024  
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	<2 MPN/ 100 ml	<2 MPN/100 ml
2	E.Coli	IS 1622 -1981 Reaffirmed 2019	Absent/100 ml	Absent /100 ml

Opinion: വെള്ളത്തിന്റെ പരിശോധനാഫലം തൃപ്തികരം.

  
**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 ---

