GOVERNMENT OF KERALA

Food Safety Department
Regional Analytical Laboratory
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Report No. 2604 - C- 0168 Date: 07/05/2026

TEST REPORT

Description of Sample : Well Water – Forwarded by Medical Officer, FHC Kunnothparamba
Sample Details : Sample received in sealed plastic bottle and sterile container
Source : Manager, Kuthubiyya English medium school, Puthoor, Panoor
Date of Receipt : 30/04/2026
Date of Analysis : 30/04/2026
Quantity of Sample : 2 L +100 ml
Physical Appearance : Clear, Colourless, Odourless liquid.
Analytical Result:-

Sl. No	Quality Characteristics	Name of Method of test used	Result	Acceptable limit as per IS No.10500:2012 (with amended nos.1,2,3 &4)
1	pH	IS 3025 Part 11:2022	6.6	6.50 to 8.5
2	Odour	FSSAI Manual for analysis of water 2016 Section A-1(2)	Agreeable	Agreeable
3	Total Hardness (as $CaCO_3$)	IS 3025 Part 4:2021	26.0 mg/l	Maximum 200.0 mg/l
4	Alkalinity	IS 3025 Part 23:2023 RA 2019	46.08 mg/l	Maximum 200.0 mg/l
5	Iron (as Fe)	Qualitative Inorganic Analysis by Vogel	< 0.05 mg/l	Maximum 1.0 mg/l
6	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2019	17.36 mg/l	Maximum 250.0 mg/l
7	Sulphates (as SO_4)	APHA 24th Edition 2023 (4500-SO_4 E	< 10.0 mg/l	Maximum 200.0 mg/l
8	Nitrate (as NO_3)	APHA 24th Edition 2023 (4500-NO_3 B)	< 1.0 mg/l	Maximum 45.0 mg/l
9	Ammonia (as total ammonia N)	APHA 24th Edition 2023 (4500-NH_3 F)	0.1 mg/l	Maximum 0.5 mg/l
10	Fluoride (as F)	APHA Method	< 0.2 mg/l	Maximum 1.0 mg/l
11	Total Dissolved Solids	FSSAI Manual for analysis of water 2016	51.7 mg/l	Maximum 500 mg/l
12	Turbidity	IS 3025 Part 10	0.6 NTU	Maximum 5 NTU
13	Coliform	IS 1622-1981 Reaffirmed 2019	< 2 MPN/100 ml	<2 MPN/100 ml
14	E-coli	IS 1622-1981 Reaffirmed 2019	Absent	Absent/100 ml

Opinion: Satisfactory

Research Officer

REGIONAL ANALYTICAL LABORATORY * KANNUR *

Note: 1. The test report relates to the tested parameters only
2. The test report related only to the tested item.
3. The report shall not be reproduced in full or part except with the approval of the laboratory

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Report No. 11103/25-26 Date: 23/03/2026

TEST REPORT

Description of Sample : Well Water
Sample Details : Sample received in plastic can and sterile container
Source : Managre, Kuthibiyya English Medium School , Puthoor, Panoor
Date of Receipt : 13/03/2026
Date of Analysis : 16/03/2026
Quantity of Sample : 2 L +100 ml
Physical Appearance : Clear, Colourless , Odourless liquid.
Analytical Result:-

Sl. No	Quality Characteristics	Name of Method of test used	Result	Acceptable limit as per IS No.10500:2012 (with amended nos.1,2,3 &4)
1	pH	IS 3025 Part 11:2022	6.5	6.50 to 8.5
2	Odour	FSSAI Manual for analysis of water 2016 Section A-1(2)	Agreeable	Agreeable
3	Total Hardness (as $CaCO_3$)	IS 3025 Part 4:2021	12.0 mg/l	Maximum 200.0 mg/l
4	Alkalinity	IS 3025 Part 23:2023 RA 2019	11.52 mg/l	Maximum 200.0 mg/l
5	Iron (as Fe)	Qualitative Inorganic Analysis by Vogel	< 0.05 mg/l	Maximum 1.0 mg/l
6	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2019	14.46 mg/l	Maximum 250.0 mg/l
7	Sulphates (as SO_4)	APHA 24th Edition 2023 (4500-SO_4 E	< 10.0 mg/l	Maximum 200.0 mg/l
8	Nitrate (as NO_3)	APHA 24th Edition 2023 (4500-NO_3 B)	< 1.0 mg/l	Maximum 45.0 mg/l
9	Ammonia (as total ammonia N)	APHA 24th Edition 2023 (4500-NH_3 F)	< 0.1 mg/l	Maximum 0.5 mg/l
10	Fluoride (as F)	APHA Method	< 0.2 mg/l	Maximum 1.0 mg/l
11	Total Dissolved Solids	FSSAI Manual for analysis of water 2016	38.44 mg/l	Maximum 500 mg/l
12	Turbidity	IS 3025 Part 10	0.7 NTU	Maximum 5 NTU
13	Coliform	IS 1622-1981 Reaffirmed 2019	80 MPN/100 ml	<2 MPN/100 ml
14	E-coli	IS 1622-1981 Reaffirmed 2019	Present	Absent/100 ml

Opinion: Not Satisfactory – Coliform & E. Coli Present

REGIONAL ANALYTICAL LABORATORY

23/03/26
Research Officer

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