

Water Analysis Report

AR No: AR /PL/5416/2024

Date: 08/04/2024

**Marian School
Anakkampoyil**

Date & Time of sample collection: 03/04/2024,
11.45 am

Domestic ✓ Establishment

Sample collected by: JHI FHC Thiruvambady

Sample delivered by : Albin

Date & Time of delivery: 03/04/2024, 02.20 pm

Source of Sample : Open well

Sample received by : Fathima Muneera

Sample container : 1L Bottle

Sample condition : Normal

Type of Test : Chemical ✓ Microbiological ✓

Period of Analysis : 5 days

SI No	Parameter	Unit	Test method APHA	Results	Acceptable limit as per IS 10500
Physical Examination					
1	Colour	Hazen	2120 B	1	5
2	Electrical conductivity	µS/cm	2510 B	78	-
3	Turbidity	NTU	2130 B	0.2	1
4	Total Dissolved solids	mg/L	2540 C	50	500
Chemical Examination					
5	pH	-	4500 H+B	5.6	6.5-8.5
6	Total Alkalinity	mg/L	2320 B	40	200
7	Total Hardness as CaCO ₃	mg/L	2340 C	40	200
8	Calcium Hardness as CaCO ₃	mg/L	3500 Ca B	32	-
9	Magnesium Hardness as CaCO ₃	mg/L	3500 Mg B	8	-
10	Calcium	mg/L	3500 Ca B	12.825	75
11	Magnesium	mg/L	3500 Mg B	1.944	30
12	Chloride	mg/L	4500 Cl ⁻ B	28	250
13	Sulphate	mg/L	4500 SO ₄ E	4.23	200
14	Iron	mg/L	3500 Fe B	BDL	1
15	Ammonia as NH ₃	mg/L	4500NH ₃ F	BDL	0.5
16	Nitrate as NO ₃	mg/L	4500NO ₃ E	0.6	45
Bacteriology					
17	Total Coliform	cfu/100ml	9222 B	174	Nil/100ml
18	Fecal Coliform	cfu/100ml	9222 D	Nil	Nil/100ml
19	E. coli	cfu/100ml	9222 I	Absent	Absent

BDL-Below detectable limit: Below detectable limit of Iron and Ammonia are 0.05mg/l

Remarks

pH of the water sample is lower than the acceptable limit. Total Coliform is present in the water sample. All other tested water quality parameters are found to be within the acceptable limit as per IS 10500 drinking water specification.



Julken

Authorized signatory

Note: The above results are related to only the particular sample(s) submitted for testing. The report is of the sample tested and shall not be reproduced except in full.

Sanitary certificate - 2024



Department Of Health & Family Welfare

SANITARY FITNESS CERTIFICATE

ശുചിത്വ സാക്ഷ്യപത്രം

Thiruvambady Taluk/Primary/Family/Community Health Centre
PH: NO. 0495 2255775 e-mail phctbady@gmail.com

Ref.NO-

Certified that the Building No. 11 Of Thiruvambady
Grama Panchayath/Municipality Proposed for Mariens English Medium school
Owned by Sisters of charity of Nazareth - Pitra
.....has

Inspected by me and the sanitary arrangements made at present are satisfactory. Hence a certificate of sanitary fitness is issued to run the above establishment subject to the conditions laid down in the Kerala Public Health Act. Any violation of the terms and conditions of the ordinance will automatically invalidate this certificate.

This certificate is valid up to 31/3/2025.

Place:Thiruvambady

Date :02-5-2024

Conditions apply.



Signature

Health Inspector

HEALTH INSPECTOR
Family Health Centre
Thiruvambady