

# Phytochrom Bioscience

(Kerala State Pollution Control Board Approved Laboratory)

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## Water Analysis Report

AR No: AR /PL/4378/2023

Date: 24/07/2023

**Al Irshad Central School  
Kalluratty**

Date & Time of sample collection: 19/07/2023  
11.45 am

Domestic ✓ Establishment

Sample collected by: HI CHC Mukkom

Sample delivered by: Abdul Razak

Date & Time of delivery: 19/07/2023, 02.45 pm

Source of Sample: Open Well (Sample-3)

Sample received by: Joyal Jacob

Sample container : 1 L Bottle

Sample condition : Normal

Type of Test : Chemical ✓ Microbiological ✓

Period of Analysis : 5 days

| Sl No                       | Parameter                               | Unit      | Test method<br>APHA    | Results | Acceptable<br>limit as per<br>IS 10500 |
|-----------------------------|-----------------------------------------|-----------|------------------------|---------|----------------------------------------|
| <b>Physical Examination</b> |                                         |           |                        |         |                                        |
| 1                           | Colour                                  | Hazen     | 2120 B                 | 1       | 5                                      |
| 2                           | Electrical conductivity                 | µS/cm     | 2510 B                 | 84      | -                                      |
| 3                           | Turbidity                               | NTU       | 2130 B                 | 1.0     | 1                                      |
| 4                           | Total Dissolved solids                  | mg/L      | 2540 C                 | 50      | 500                                    |
| <b>Chemical Examination</b> |                                         |           |                        |         |                                        |
| 5                           | pH                                      | -         | 4500 H <sup>+</sup> B  | 6.5     | 6.5-8.5                                |
| 6                           | Total Alkalinity                        | mg/L      | 2320 B                 | 40      | 200                                    |
| 7                           | Total Hardness as CaCO <sub>3</sub>     | mg/L      | 2340 C                 | 56      | 200                                    |
| 8                           | Calcium Hardness as CaCO <sub>3</sub>   | mg/L      | 3500 Ca B              | 48      | -                                      |
| 9                           | Magnesium Hardness as CaCO <sub>3</sub> | mg/L      | 3500 Mg B              | 8       | -                                      |
| 10                          | Calcium                                 | mg/L      | 3500 Ca B              | 19.238  | 75                                     |
| 11                          | Magnesium                               | mg/L      | 3500 Mg B              | 1.944   | 30                                     |
| 12                          | Chloride                                | mg/L      | 4500 Cl <sup>-</sup> B | 32      | 250                                    |
| 13                          | Sulphate                                | mg/L      | 4500 SO <sub>4</sub> E | 5.8     | 200                                    |
| 14                          | Iron                                    | mg/L      | 3500 Fe B              | BDL     | 1                                      |
| 15                          | Ammonia as NH <sub>3</sub>              | mg/L      | 4500NH <sub>3</sub> F  | BDL     | 0.5                                    |
| 16                          | Nitrate as NO <sub>3</sub>              | mg/L      | 4500NO <sub>3</sub> E  | 0.7     | 45                                     |
| <b>Bacteriology</b>         |                                         |           |                        |         |                                        |
| 17                          | Total Coliform                          | cfu/100ml | 9222 B                 | Nil     | 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

All tested water quality parameters are found to be within the acceptable limit as per IS 10500 drinking water specification.



*Julken*

Authorized signatory

*Secretary*  
Secretary  
Al Irshad Charitable Society  
Kalluratty P.O., Omassery  
Kozhikode, Kerala - 673582

*J. J. J.*  
PRINCIPAL  
AL IRSHAD CENTRAL SCHOOL  
(CBSE Affiliation No: 930839)  
Thechiad, Neeleswaram (P.O)  
Omashery, Kozhikode - 673582  
Thechiad, Neeleswaram (P.O)



475  
25/7/23

## COMMUNITY HEALTH CENTRE MUKAAM - 673602



### SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

It is certified that an inspection team headed by ... Saji Jayaraj ...  
... Health Inspector ... CHC Mukkam ... from  
Community Health Centre, Mukkam inspected the Al Irshad Central School,  
Thechiyad, Neeleswaram(PO), Omassery on ..24.07.2023... and found that  
the above school has safe drinking water facilities for the students and members of  
staff of the institution and is maintaining the hygienic sanitation condition in the  
school building and the campus as per the norms prescribed by the  
Central/State/U.T. Govt.

The above valid for a period of one year

Inspected on ..24.07.2023.....

Place : ..Mukkam.....

Date: ..25.7.2023.....

Signature of Health Inspector  
**HEALTH INSPECTOR**  
Community Health Centre  
Mukkam - 673 602



NB: 2003 ലെ COTPA നിയമപ്രകാരമുള്ള പുകവലി നിരോധന ബോർഡ് സ്ഥാപന  
Al Irshad Charitable Society  
Kallurutti P.O., Omassery,  
Kozhikode, Kerala - 673582  
ത്തിൽ പ്രദർശിപ്പിക്കേണ്ടതാണ്.

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