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DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE
REGIONAL PUBLIC HEALTH WATER ANALYSIS LABORATORY, TIRUNELVELI-11

From
Thiru.D.Asir Selvaraj B.Sc., B.Ed.,
Chief Water Analyst ,
Regional Public Health Water
Analysis Laboratory,
Tirunelveli - 627 011.

To
Vedic Vidyashram Senior
Secondary School,
Madurai road,
Thatchanallur,
Tirunelveli-627 358.

R.No: 277/L/2023/M.08/CWA/Tvl., Dated: 11.05.2023

Sir / Madam,

Sub: Report on Examination of water sample from Vedic Vidyashram
Senior Secondary School, Madurai road, Thatchanallur, Tirunelveli
District collected on 08.05.2023.

A sample of water stated to have been collected on 08.05.2023 from the R.O unit outlet near K.G class room, Vedic Vidyashram Senior Secondary School, Madurai road, Thatchanallur, Tirunelveli district (Source: Bore well) by Thiru.B.Muthukrishnan Administrative Officer was received at this laboratory on the same day from the addressee to assess its suitability for drinking purpose.

The results of analysis are furnished overleaf.

The sample of water is colorless and clear in physical appearance.

The chemical analysis reveals that it is soft and less mineralized. Though, it is of drinkable chemical quality, the total hardness is only 10mg/l. The Calcium and Magnesium minerals are almost removed from the water, Calcium and Magnesium are very essential minerals for healthy living of human beings. Consumption of such very low content of Calcium and Magnesium water for a prolonged time will be deleterious to the health of the consumers.

Hence, it is advised that, the supplier of the R.O unit should be contacted immediately to set right the R.O unit in such a way that, the outlet water should contains atleast a minimum content of total hardness (30 mg/l) so as to have some amount of Calcium and Magnesium in the outlet water of R.O unit, which are very essential for a healthy life of the consumers.

It is of satisfactory bacteriological quality for drinking.

The R.O unit should be maintained periodically as per the supplier's manual to get hygienic safe water at all times.

The Sump/OHT should be cleaned atleast once in a month with strong bleaching powder solution to ensure hygienic safety at all times.

PRINCIPAL

Copy to
VEDIC VIDYASHRAM SENIOR SECONDARY SCHOOL
MADURAI ROAD, THACHANALLUR.
TIRUNELVELI - 627 358.

11-5-2023
Chief Water Analyst,
Regional Public Health Water Analysis
Laboratory, Tirunelveli.

CORRESPONDENT
VEDIC VIDYASHRAM SR. SEC. SCH
MADURAI ROAD, THACHANALLUR
TIRUNELVELI - 627 358.

DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE
REGIONAL PUBLIC HEALTH WATER ANALYSIS LABORATORY, TIRUNELVELI-11

RESULTS OF EXAMINATION OF SAMPLES OF WATER

Samples from :	Vedic Vidyashram CBSE school, Madurai road, Thatchanallur, Tirunelveli district				
Collected by :	Thiru.B.Muthukrishnan, Administrative Officer				
Date of collection :	08.05.2023				
Date of Receipt :	08.05.2023				
	M-02				
Source as per label (Bore well)	R.O unit outlet water near K.G. Room				
Bacteriological Examination					
Plate count per ml.on agar at 37°C	20				
MPN of Coliform bacteria/100 ml	0				
Rapid test for E.Coli-I					
Results of Vibrio test					
Physical Examination					
Colour	Colourless				
Turbidity (NTU)	5				
Smell	None				
Chemical Examination (in mg/l)					
Total Dissolved solids	40				
Carbonate Hardness (as CaCO ₃)	10				
Non-carbonate Hardness(as CaCO ₃)	0				
Total Hardness (as CaCO ₃)	10				
Calcium Hardness (as CaCO ₃)	6				
Magnesium Hardness (as CaCO ₃)	4				
Chloride (as Cl)	12				
Ammoniacal Nitrogen (as N)	-				
Albuminoid Nitrogen (as N)	-				
Oxygen absorbed (Tidys test)	0.16				
Nitrate Nitrogen	0				
Acidity/Alkalinity} Phenolphthalein as CaCO ₃ } Methyl Orange	0 10				
Fluoride (as F)	0.1				
pH value	6.3				
Total Iron (as Fe)	0.05				
Manganese (as Mn)					
Qualitative Tests:					
Nitrite Nitrogen	Trace				
Sulphate	Trace				
Phosphate	Trace				
Toxic Substance					
Electrical conductivity(Reciprocal megohms per cm at 20°C)	60				
Microscopical Examination	Amorphous Matter				

PRINCIPAL
VEDIC VIDYASHRAM SENIOR SECONDARY SCHOOL
MADURAI ROAD, THACHANALLUR.
TIRUNELVELI - 627 358.

CORRESPONDENT
VEDIC VIDYASHRAM SR. SEC. SCHOOL
MADURAI ROAD, THACHANALLUR,
TIRUNELVELI - 627 358.



L.Dis:8161/A4/2022

O/o. The Deputy Director of Health Services,
Tirunelveli District.

Date: 16.12.2022

SANITARY CERTIFICATE

OCT-2022 TO JULY -2023

(ISSUED UNDER APPENDIX 3 CHAPTER II RULE 24 OF THE MADRAS EDUCATION RULES)

I hereby declare that I have caused to be inspected the Vedic Vidyashram CBSE School, Thachanalur, Tirunelveli District, school building and premises on 05.12.2022 certify that accommodation provided for each of the classes is sufficient for the maximum number of pupils taught therein and is properly ventilated and lighted, that the building is maintained in substantial repairs, that is neat and clean that the latrine arrangements are adequate and that the supply of drinking water is wholesome and that in all other necessary aspects the sanitation is satisfactory.

Sanitary certificate is issued with the following conditions prescribed in the Annexure enclosed.

Countersigned based on the
inspection report of Block
Health Supervisor concerned

PRINCIPAL

VEDIC VIDYASHRAM SENIOR SECONDARY SCHOOL
MADURAI ROAD, THACHANALLUR.
TIRUNELVELI - 627 358.

Deputy Director of Health Services
Tirunelveli.

Block Health Supervisor,
Govt. Primary Health Centre,
Reddiarpatti-627007.

CORRESPONDENT

VEDIC VIDYASHRAM SR. SEC. SCHOOL
MADURAI ROAD, THACHANALLUR,
TIRUNELVELI - 627 358.