



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

From
Tmt.R.Malarvizhi, M.Sc., M.Ed.,
Chief Water Analyst (i/c),
Regional Public Health Water
Analysis Laboratory,
Tirunelveli-627 011.

To
The Correspondent,
Sri Jayendra Swamigal Vidhya Kendra,
V.M. Chatram,
Maharaja Nagar (Po),
Tirunelveli -627 011.

R.No. 115/L/2019 (16) M-14,CWA, Tvl, Dated: 07.03.2019.

Sir,

Sub: Report on examination of water sample from Sri Jayendra Swamigal Vidhya Kendra, Tirunelveli, Collected on 25.02.2019.

A sample of water stated to have been collected on 25.02.2019 from the R.O unit outlet at ground floor varandha, near 2nd Standard, Sri Jayendra Swamigal Vidhya Kendra, V.M.Chatram, Tirunelveli (Source: Bore well) by Thiru.V.Jayendran, Correspondent was received at this laboratory on the same day to assess its suitability for drinking purpose.

The results of analysis are furnished overleaf.

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

The chemical analysis reveals that, it is soft. The total hardness is only 18 mg/l. The Calcium and Magnesium are very essential minerals for healthy living of human beings. Consumption of such 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 plant should be contacted immediately to set right the R.O plant in such a way that, the outlet water should contains at least a minimum content of total hardness (30 mg/l) so as to have some amount of Calcium and Magnesium, which are very essential for a healthy life.

It is of satisfactory bacteriological quality for drinking.

It is also advised that the R.O plant should be maintained periodically as per the supplier's manual to get hygienic safe water at all times.

A. Jayanthi Jayendran
Principal

Sri Jayendra Swamigal Vidhya Kendra
V.M. Chathram, Tirunelveli - 627 011

f. thosar
3/3/19
Chief Water Analyst (i/c),
Regional Public Health Water
Analysis Laboratory, Tirunelveli-11.

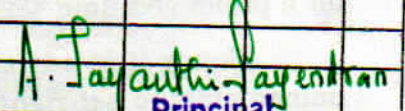
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Correspondent
Correspondent

Sri Jayendra Swamigal Vidhya Kendra
V.M. Chathram, Tirunelveli - 627 011.

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

Samples from :	The Correspondent, Sri Jayendra Swamigal Vidhyakendra, Tirunelveli (Dt).				
Collected by :	Thiru.V.Jayendran, Correspondent.				
Date of collection :	25.02.2019.				
Date of Receipt :	25.02.2019.				
	M.14				
Source as per label	RO unit outlet near 2nd Standard class room (Source: Bore well)				
Bacteriological Examination					
Total count per ml.on agar at 37°C	0				
MPN of Coliform bacteria/100 ml	0				
Rapid test for E.Coli-I					
Results of Vibrio test					
Physical Examination					
Colour	Colourless				
Turbidity (NTU)	1				
Smell	None				
Chemical Examination (in mg/l)					
Total Dissolved solids	70				
Carbonate Hardness (as CaCO ₃)	12				
Non-carbonate Hardness(as CaCO ₃)	0				
Total Hardness (as CaCO ₃)	18				
Calcium hardness (as CaCO ₃)	6				
Magnesium hardness (as CaCO ₃)	12				
Chloride (as Cl)	18				
Ammoniacal Nitrogen (as N)	-				
Albuminoid Nitrogen (as N)	-				
Oxygen absorbed (Tidys test)	0.24				
Nitrate Nitrogen	0				
Acidity/Alkalinity} Phenolphthalein as CaCO ₃ } Methyl Orange	0 12				
Fluoride (as F)	0				
PH value	6.5				
Total Iron (as Fe)	0				
Manganese (as Mn)					
Qualitative Tests:					
Nitrite Nitrogen	Trace				
Sulphate	Trace				
Phosphate	Trace				
Toxic Substance	-				
Electrical conductivity(Reciprocal megohms per cm at 20°C)	100				
Microscopical Examination	Amorphous Matter				


A. Jayanthi Jayendran
 Principal
 Sri Jayendra Swamigal Vidhya Kendra
 V.M. Chathram, Tirunelveli - 627 011.

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