



DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE  
Regional Public Health Water Analysis Laboratory, Tiruchirappalli-20.

From  
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To  
The Principal,  
Karur Saraswathi Vidhya  
Mandhirr School, KSV Nagar,  
Thulasikodumbu, Jegadhabi,  
Karur-639 118.  
Email Id:  
ksvmcbse@gmail.com

R.No.173/A3/2024/CWA/TRY/Misc-71, Dated: 03.05.2024

Sir,

Sub: Report on examination of water samples from Karur  
Saraswathi Vidhya Mandhirr School, KSV Nagar,  
Thulasikodumbu, Jegadhabi, Karur - Collected  
on 29.04.2024.

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A sample of water stated to have been collected on 29.04.2024 from the  
Karur Saraswathi Vidhya Mandhirr School, KSV Nagar, Thulasikodumbu,  
Jegadhabi, Karur by Thiru.T.Saravanan, TGT Maths, was received in this laboratory  
on the same day to assess its suitability for drinking purposes.

The results of analysis are furnished overleaf.

Water from R.O unit at the Second Floor Entrance [M- 71]

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

Chemically, it is of soft in nature and satisfactory quality for drinking.

Bacteriologically also it is of satisfactory quality for drinking.

Suggestion:

It is suggested that the R.O outlet water should contain atleast a minimum of  
30 mg/l of Total Hardness, so as to contain minimum amount of essential minerals  
like calcium and magnesium to lead a healthy life. In this regard the suppliers of  
R.O unit may be contacted immediately furnishing the results of analysis.

Chief Water Analyst,  
Regional Public Health Water Analysis  
Laboratory, Tiruchirappalli-20.

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## RESULTS OF EXAMINATION OF SAMPLES OF WATER

From: Karur Saraswathi Vidhya Mandhirr School.

Collected by:- Thiru.T.Saravanan, TGT Maths.

Date of collection	29.04.2024			
Date of Receipt	29.04.2024			
Sample Number	M- 71			
Source as per label Borewell to R.O	Water from R.O unit at the Second Floor Entrance			
<u>Bacteriological Examination</u>				
Total colonies per ml. On agar at 37°C	-0-			
MPN of Coliform bacteria per 100ml.	-0-			
Nature of Coliform Bacteria Isolated				
<u>Physical Examination</u>				
Colour .. .. .	Colourless			
Turbidity .. .. .	3			
Smell .. .. .	None			
Total solids	30			
Carbonate hardness as CaCO <sub>3</sub>	10			
Non-Carbonate hardness as CaCO <sub>3</sub>	0			
Total hardness as CaCO <sub>3</sub>	10			
Chlorides as Chlorine	8			
Ammoniacal nitrogen	--			
Albuminoid nitrogen	--			
Oxygen absorbed (Tidy's test)	0.24			
Nitrate -nitrogen	0			
Acidity/Alkalinity Phenolphthalein	0			
sCaCO <sub>3</sub> Methyl Orange	10			
Fluoride as Fluorine	0			
pH Value	8.2			
Iron as Fe	0			
Ferrous	--			
Manganese as Mn.	--			
Nitrite nitrogen	Trace			
Sulphate	Trace			
Phosphate	Trace			
Toxic substance	--			
Electrical conductivity (Reciprocal megohms per cm <sup>3</sup> at 20 C)	40			
Microscopical Examination	Amorphous matter			