



DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE
CHIEF WATER ANALYST'S LABORATORY, COIMBATORE - 18.

From

To

Tmt. R. Malarvizhi, M.Sc., M.Ed.,
Chief Water Analyst,
219, Race Course Road,
Coimbatore 641 018.
Ph.No: 0422-2221542,
E.mail: cwadph.cbe@gmail.com.

St. Paul's Public School,
K.N.G.Pudur Pirivu,
Thadagam Road,
Coimbatore - 25.

R.No. 0377/ A3 / 2024 (185) CWA/CBE, M.68

Dated:02.03.2024.

Sir,

Sub: Report on Examination of water sample from St. Paul's Public School, K.N.G.Pudur Pirivu, Thadagam Road, Coimbatore. Collected on 19.02.2024.

A sample of water stated to have been collected on 19.02.2024 from the R.O.Outlet tap near Chemistry lab at St. Paul's Public School, K.N.G.Pudur Pirivu, Thadagam Road, Coimbatore. Source: Pillur water (S.F.No.377/4,5A), by Thiru. Gokul Krishnan, Physical Education Teacher was received at this laboratory on the same day from the above addressee 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.

It is of satisfactory bacteriological quality for drinking.

But the Chemical analysis reveals that, it is very soft and less mineralised. The total hardness is only 3 mg/l. The Calcium and Magnesium are almost removed from this water. The Calcium and Magnesium are very essential minerals for healthy living of human beings. Consumption of this type of 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 along with a copy of this report, to set right the R.O. plant in such a way that, the water contains atleast a minimum 30 mg/l of total hardness, so as to have some amount of Calcium and Magnesium in the outlet of R.O. plant, which are very essential for a healthy life.

The R.O. Unit should also 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 to maintain the hygienic condition.

P. S. Prasad
24/03/24
for **CHIEF WATER ANALYST,**
COIMBATORE-18.
H/S/24

Copy to Lab / File

DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE
CHIEF WATER ANALYST'S LABORATORY, COIMBATORE-641018
RESULTS OF EXAMINATION OF SAMPLES OF WATER

Samples from	St. Paul's Public School, K.N.G. Pudur Pirivu, Thadagam Road, Coimbatore - 25.		
Collected by	Thiru.Gokul Krishnan, Physical Education Teacher		
Date of collection:	19.02.2024		
Date of Receipt :	19.02.2024		
	M.68		
Source as per Label	R.O.Outlet near Chemistry lab at St. Paul's Public School, K.N.G. Pudur Pirivu, Thadagam Road, Coimbatore		
Source	Pillur Water (S.F.No.377/4, 5A)		
Bacteriological Examination			
Plate count per ml.on agar at 37 ^o .C-24 hrs	10		
MPN of Coliform bacteria/100ml	0		
Nature of Coliform bacteria isolated			
Results of Vibrio test			
Physical Examination			
Colour	Colourless		
Turbidity	1		
Smell	None		
Chemical Examination(in mg/l)			
Total solids	15		
Carbonate Hardness (as CaCO ₃)	3		
Non-carbonate Hardness(as CaCO ₃)	0		
Total Hardness (as CaCO ₃)	3		
Calcium Hardness (as CaCO ₃)	1		
Magnesium Hardness (as CaCO ₃)	2		
Chloride (as Cl)	4		
Ammonia cal Nitrogen (as N)	0		
Albuminoid Nitrogen (as N)	-		
Oxygen absorbed(Tidys test) in 4 hrs	0.12		
Nitrate nitrogen as N	0		
Acidity/Alkalinity } Phenolphthalein	0		
as CaCO ₃ } Methyl Orange	8		
Fluoride (as F)	0		
pH value	6.5		
Total Iron (as Fe)	0		
Manganese (as Mn)	0		
Qualitative Tests			
Nitrite Nitrogen	Nil		
Sulphate	Nil		
Phosphate	Nil		
Toxic Substance			
Electrical conductivity(Reciprocal megohms per cm at 20°C)	20		
Microscopical Examination	Amorphous Matter		

for *B. Srinivasan*
04/03/24
CHIEF WATER ANALYST,
COIMBATORE-18.

SBK
4/3/24