



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

From

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To

Sri Angalamman Marketing,
406, Kamarajar Road,
Peelamedu,
Coimbatore - 641 004.

R.No. 0258/ A3 / 2023 (152) CWA/CBE, M.27 to M.29

Dated: 10.02.2023

Sir,

Sub: Report on Examination of water sample from
Sri Angalamman, Marketing, 406, Kamarajar Road,
Peelamedu, Coimbatore. Collected on 01.02.2023.

Three samples of water stated to have been collected on 01.02.2023 from the following points by Thiru. P. Madhan, Proprietor, Sri Angalamman Marketing, 406, Kamarajar Road, Peelamedu, Coimbatore were received at this laboratory on the same day from the above addressee to assess their suitability for drinking purpose.

1. R.O. Outlet water at Junior Boys Hostel 1st Floor at Sainik School,
Source: Borewell (M. 27)
2. R.O.Outlet water at Junior Boys Hostel 2nd Floor at Sainik, School,
Source: Borewell (M. 28)
3. R.O. Outlet water at Junior Boys Hostel 3rd Floor, Sainik School,
Source: Borewell (M. 29)

The results of analysis are furnished overleaf.

- 1. R.O. Outlet water at Junior Boys Hostel 1st Floor at Sainik School, Amaravathy Nagar, Udumalpet, Source:Borewell (M.27)**
- 2. R.O.Outlet water at Junior Boys Hostel 2nd Floor at Sainik, School, Amaravathy Nagar, Source:Borewell (M.28)**
- 3. R.O. Outlet water at Junior Boys Hostel 3rd Floor, Sainik School, Amaravathy Nagar, Source:Borewell (M.29)**

The above three samples of water are Colorless and clear in physical appearance.

Judged by the results of analysis they are of satisfactory bacteriological quality for drinking.

However, the chemical analysis reveals that, they are very soft. The total hardness content are only 6 mg/l, 7 mg/l and 5 mg/l respectively. The Calcium and Magnesium are almost removed from these water. The Calcium and Magnesium are very essential minerals for healthy living of human beings. Consumption of water having very low content of Calcium and Magnesium for a prolonged time will be deleterious to the health of the consumers.

Hence it is advised that, the suppliers of the R.O. Units should be contacted to set right the R.O. Units in such a way that, the R.O. outlet 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. Units, which are very essential for a healthy life.

The R.O. Units 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.

Copy to Lab / File

J.G. 13/2/23
**CHIEF WATER ANALYST,
COIMBATORE - 18.**
22/02/23 13/2/23
13/2/23

As

- Phe take up a letter to the RO maintainer



✓	PRINCIPAL
	PRINCIPAL
	OFFICER <i>18/2</i>
	REPORT
	NON-HEAD

1446

- He should certify that the hardness content is maintained

- The certificate obtained also should be enclosed and forward

GM
pl pu draft letter to medical authorities & DC - immediately.

DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

CHIEF WATER ANALYST'S LABORATORY, COIMBATORE-641018

RESULTS OF EXAMINATION OF SAMPLES OF WATER

Samples from	Sri Angalamman Marketting, 406, Kamarajar Road, Peelamedu, Coimbatore - 641004.		
Collected by	Thiru. P. Madhan, Proprietor		
Date of collection:	01.2.2023		
Date of Receipt :	01.2.2023		
	M. 27	M 28	M 29
Source as per Label	R.O. outlet water at Junior Boys Hostel at 1st Floor	R.O. outlet water at Junior Boys Hostel at 2nd Floor	R.O. outlet water at Junior Boys Hostel at 3rd Floor
	in Sainik School, Amaravathy Nagar, Udumalpet.		
Source	Borewell		
Bacteriological Examination			
Plate count per ml.on agar at 37 ^o .C-24 hrs	0	0	0
MPN of Coliform bacteria/100ml	0	0	0
Nature of Coliform bacteria isolated			
Results of Vibrio test			
Physical Examination			
Colour	Colourless	Colourless	Colourless
Turbidity	1	1	1
Smell	None	None	None
Chemical Examination(in mg/l)			
Total solids	70	110	70
Carbonate Hardness (as CaCO ₃)	5	7	5
Non-carbonate Hardness(as CaCO ₃)	0	0	0
Total Hardness (as CaCO ₃)	5	7	5
Calcium Hardness (as CaCO ₃)	3	3	2
Magnesium Hardness (as CaCO ₃)	2	4	3
Chloride (as Cl)	4	5	6
Ammonia cal Nitrogen (as N)	0	0	0
Albuminoid Nitrogen (as N)	-	-	-
Oxygen absorbed(Tidys test) in 4 hrs	0.04	0.08	0.12
Nitrate nitrogen as N	0.5	0.5	0.5
Acidity/Alkalinity} Phenolphthalein	0	0	0
as CaCO ₃ } Methyl Orange	46	69	47
Fluoride (as F)	0.1	0.1	0.1
pH value	6.5	6.5	6.5
Total Iron (as Fe)	0	0	0
Manganese (as Mn)	0	0	0
Qualitative Tests			
Nitrite Nitrogen	Trace	Trace	Trace
Sulphate	Trace	Trace	Trace
Phosphate	Trace	Trace	Trace
Toxic Substance	-	-	-
Electrical conductivity(Reciprocal megohms per cm at 20°C)	100	150	100
Microscopical Examination	Amorphous Matter	Amorphous Matter	Amorphous Matter

CHIEF WATER ANALYST,
COIMBATORE-18.

20-6/2023
13/02/23
13/2/23