



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

From

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

To

Rak's Pallikkoodam,
29B, 29C, Codissia Trade Fair
Complex Road,
Civil Aerodrome Post,
Coimbatore - 641014.

R.No. 2680/ A3 / 2023 (1618) CWA/CBE, M.323

Dated: 24.11.2023.

Sir,

Sub: Report on Examination of water sample from Rak's
Pallikkoodam, 29B, 29C, Codissia Trade Fair Complex Road,
Civil Aerodrome Post, Coimbatore, Collected on 20.11.2023

A sample of water stated to have been collected on 20.11.2023 from the R.O Outlet near Canteen at Rak's Pallikkoodam, 29B, 29C, Codissia Trade Fair Complex Road, Civil Aerodrome Post, Coimbatore Source : Bore well by Ms.S.Revathi, Admin Staff was received at this laboratory on 21.11.2023 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.

Judged by the results of analysis, it is of very soft and less mineralised.

It is of satisfactory bacteriological quality for drinking.

However the total hardness is only 4 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.

The Sump / OHTs should also be cleaned atleast once in a month to maintain the hygienic condition.

~~28/11/23~~
**CHIEF WATER ANALYST,
COIMBATORE - 18.**

[Signature]
28/11/23

[Signature]
28/11/23

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	Rak's Pallikoodam, 29B,29C, Codissia Trade Fair Complex Road, Civil Aerodrome Post, Coimbatore - 641 014.		
Collected by	Mrs.S.Jayalakshmi, Lab Assistant		
Date of collection:	20.11.2023		
Date of Receipt :	21.11.2023		
	M. 323		
Source as per Label	R.O.Outlet nearCanteen at Rak's Pallikoodam, 29B,29C, Codissia Trade Fair Complex Road, Civil Aerodrome Post, Coimbatore .		
Source	Bore well		
Bacteriological Examination			
Plate count per ml.on agar at 37 ^o .C-24 hrs	0		
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	60		
Carbonate Hardness (as CaCO ₃)	4		
Non-carbonate Hardness(as CaCO ₃)	0		
Total Hardness (as CaCO ₃)	4		
Calcium Hardness (as CaCO ₃)	2		
Magnesium Hardness (as CaCO ₃)	2		
Chloride (as Cl)	6		
Ammonia cal Nitrogen (as N)	0		
Albuminoid Nitrogen (as N)	-		
Oxygen absorbed(Tidys test) in 4 hrs	0.04		
Nitrate nitrogen as N	0		
Acidity/Alkalinity} Phenolphthalein as CaCO ₃ } Methyl Orange	0 52		
Fluoride (as F)	0		
pH value	7.0		
Total Iron (as Fe)	0		
Manganese (as Mn)	0		
Qualitative Tests			
Nitrite Nitrogen	Trace		
Sulphate	Nil		
Phosphate	Nil		
Toxic Substance	-		
Electrical conductivity(Reciprocal megohms per cm at 20°C)	85		
Microscopical Examination	Amorphous Matter		

16-28/11/23
CHIEF WATER ANALYST,
COIMBATORE-18.

28/11/23

28/11/23

