



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

From

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To

DKT Global Public School,
1/341, Near Amaravathipalayam,
Peruntholuvu (Post),
Tirupur - 641 665.

R.No. 1486/ A3 / 2023 (904) CWA/CBE, M - 174

Dated: 7.07.2023.

Sir,

Sub: Report on Examination of water sample from DKT Global Public School, 1/341, Near Amaravathipalayam, Peruntholuvu (Post), Tirupur. Collected on 03.07.2023.

A sample of water stated to have been collected on 03.07.2023 from the R.O.Plant Outlet near Office at DKT Global Public School, 1/341, Near Amaravathipalayam, Peruntholuvu (Post), Tirupur, Source: Borewell by Thiru.V.Sugavanesh, C.E.O was received at this laboratory on 04.07.2023 from the above premises 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 purpose.

However, the chemical analysis reveals that it is of very soft. The total hardness is 16 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 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 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.Plant 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

10/07/23
**CHIEF WATER ANALYST,
COIMBATORE.**

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DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

CHIEF WATER ANALYST'S LABORATORY, COIMBATORE-641018

RESULTS OF EXAMINATION OF SAMPLES OF WATER

Samples from	DKT Global Public School, 1/341, Near Amaravathipalayam, Peruntholuvu (Post), Tirupur - 641 665.		
Collected by	Thiru. V. Sugavanesh, C.E.O		
Date of collection:	03.07.2023		
Date of Receipt :	04.07.2023		
	M.174		
Source as per Label	R.O.Plant outlet near Office at DKT Global Public School, 1/341, Near Amaravathipalayam, Peruntholuvu (Post), Tirupur - 641 665.		
Source	Borewell		
Bacteriological Examination			
Plate count per ml.on agar at 37 ⁰ .C-24 hrs	0		
MPN of Coliform bacteria/100ml	0		
Nature of Coliform bacteria isolated			
Results of Vibrio test			
Physical Examination			
Colour	Colourless		
Turbidity	2		
Smell	None		
Chemical Examination(in mg/l)			
Total solids	70		
Carbonate Hardness (as CaCO ₃)	16		
Non-carbonate Hardness(as CaCO ₃)	0		
Total Hardness (as CaCO ₃)	16		
Calcium Hardness (as CaCO ₃)	10		
Magnesium Hardness (as CaCO ₃)	6		
Chloride (as Cl)	12		
Ammonia cal Nitrogen (as N)	0		
Albuminoid Nitrogen (as N)	-		
Oxygen absorbed(Tidys test) in 4 hrs	0.12		
Nitrate nitrogen as N	0.5		
Acidity/Alkalinity} Phenolphthalein	0		
as CaCO ₃ } Methyl Orange	24		
Fluoride (as F)	0.1		
pH value	6.6		
Total Iron (as Fe)	0.05		
Manganese (as Mn)	0		
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		

CHIEF WATER ANALYST,
COIMBATORE-18.580
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