



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

From

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To

KG International School,
263/1, Allikarampalayam,
Odderpalayam (PO),
Annur - 641 653,
Coimbatore District.

R.No. 1847/ A3 / 2024, CWA/CBE, M.326, Dated:13.08.2024.

Sir,

Sub: Report on Examination of water sample from KG International School, 263/1, Allikarampalayam, Odderpalayam (PO), Annur, Coimbatore District, Collected on 05.08.2024.

A sample of water stated to have been collected on 05.08.2024 from the R.O. Plant Outlet tap at Terrace, KG International School, 263/1, Allikarampalayam, Odderpalayam (PO), Annur, Coimbatore District, Source: Bore Well by Ms.S.Kalaiselvi, MIS Department Incharge 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 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. Plant 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.

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CHIEF WATER ANALYST,

COIMBATORE-18.

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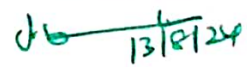
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DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

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RESULTS OF EXAMINATION OF SAMPLES OF WATER

Samples from	KG International School, 263/1, Allikampalayam, Odderpalayam (PO), Annur - 641 653, Coimbatore District.		
Collected by	Ms.S.Kalaiselvi, MIS Department Incharge		
Date of collection:	05.08.2024		
Date of Receipt :	05.08.2024		
	M. 326		
Source as per Label	R.O. Plant Outlet tap at terrace, KG International School, 263/1, Allikampalayam, Odderpalayam (PO), Annur, Coimbatore District.		
Source :	Bore Well		
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)	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)	4		
Ammonia cal Nitrogen (as N)	0		
Albuminoid Nitrogen (as N)	-		
Oxygen absorbed(Tidys test) in 4 hrs	0.08		
Nitrate nitrogen as N	0		
Acidity/Alkalinity} Phenolphthalein	0		
as CaCO ₃ } Methyl Orange	6		
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		


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