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**DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE**  
**Regional Public Health Water Analysis Laboratory, Tirunelveli -11**

**From**

Thiru.D.Asir Selvaraj.,B.Sc.,B.Ed.,  
Chief Water Analyst,  
Regional Public Health Water  
Analysis Laboratory,  
Tirunelveli -11.

**To** ✓

The Prinicpal,  
DMI ST.Joseph Global School,  
JP Campus College Road,  
Agarakattu,  
Tenkasi - 627 852.

**R.No.283/L/2022/CWA/TVL/M-09, Dated : 10.05.2022.**

Sir,

Sub: Report on examination of water sample from DMI  
ST.Joseph Global School, JP Campus College Road,  
Agarakattu, Tenkasi - 627 852 Collected on  
02.05.2022.

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A sample of water stated to have been collected on 02.05.2022 from the R.O Unit outlet near office room, DMI ST.Joseph Global School, JP Campus, College Road, Agarakattu, Tenkasi (source: Bore well) by Thiru.Palavesam, Physical Education Teacher was received at this laboratory on the same day from the 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 purpose.

The Chemical analysis reveals that, it is very soft and less mineralized.

Though it is of usable chemical quality for drinking, the total hardness is only 6mg/l. The calcium and magnesium minerals are almost removed from this water, which are very essential minerals for healthy living of human beings. Consumption of water having very low content of



## RESULTS OF EXAMINATION OF SAMPLE OF WATER

**From:-** DMI ST.JOSEPH GLOBAL SCHOOL, JP Campus College Road,  
Agarakattu, Tenkasi - 627 852.

**Collected by:-** Thiru.Palavesam , Physical Education Teacher

**Misc - 9**

Date of collection	02.05.2022			
Date of Receipt	02.05.2022			
Source as per Label	R.O.unit outlet water near office room ( <b>Source:</b> Bore well)			
<b><u>Bacteriological Examination</u></b>				
Total colonies per ml. On agar at 37°C	20			
MPN of Coliform bacteria per 100ml.	-0-			
Nature of Coliform bacteria isolated.	--			
Results of vibrio test.	--			
<b><u>Physical Examination</u></b>				
Colour .. .. .	Colourless			
Turbid ity .. .. .	5			
Smell .. .. .	None			
<b><u>Chemical Examination (in mg/l)</u></b>				
Total solids	30			
Carbonate hardness as CaCO <sub>3</sub>	6			
Non-Carbonate hardness as CaCO <sub>3</sub>	0			
Total hardness as CaCO <sub>3</sub>	6			
Calcium hardness as CaCo <sub>3</sub>	4			
Magnesium Hardness as CaCo <sub>3</sub>	2			
Chlorides as Chlorine	7			
Ammoniacal nitrogen	--			
Albuminoid nitrogen	--			
Oxygen absorbed (Tidy's test)	0.16			
Nitrate -nitrogen	0.5			
Acidity/Alkalinity Phenolphthalein asCaCO <sub>3</sub> Methyl Orange	0			
	6			
Fluoride as Fluörine	0			
pH Value	6.5			
Iron as Fe Total	0.05			
Ferrous	--			
Manganese as Mn.				
<b><u>Qualitative Tests</u></b>				
Nitrite nitrogen	Trace			
Sulphate	Trace			
Phosphate	Trace			
Toxic substance	--			
Electrical conductivity (Reciprocal megohms per cm <sup>3</sup> at 20 C)	40			

Microscopical Examination:

Amorphous matter

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. Unit should be contacted immediately along with a copy of this report to set right the R.O. Unit in such a way that, the outlet water should contain at least a minimum content of the total hardness (30mg/l) so as to have some amount of calcium and magnesium which are very essential for a healthy life.

The R.O.Unit should be maintained periodically as per the suppliers manual to get hygienic safe water at all times.

The Bore well source should be protected against any contamination by providing a separate chamber.

*SS. Srinivasan*  
*12.5.2022*  
Chief Water Analyst  
Regional Public Health Water  
Analysis Laboratory  
Tirunelveli -11.

Copy to :  
Lab / File

*19/5/22*



# SANITARY CERTIFICATE

418

JUNE 2021 TO MAY 2022  
(ISSUED UNDER APPENDIX 3 CHAPTER III RULE 24 OF THE MADRAS EDUCATION RULES)

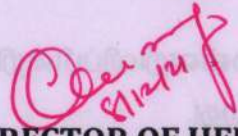
L.DIS.NO 6471/A5/2021 Dt. 8/12/21 O/o THE DEPUTY DIRECTOR OF HEALTH SERVICES  
TENKASI DISTRICT.

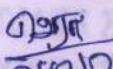
I DECLARE THAT I HAVE INSPECTED DMI ST. JOSEPH GLOBAL  
SCHOOL, AGARAKATTU, AYIKUDI-627852 SHENKOTTAI BLOCK  
TENKASI DIS. SCHOOL AND BUILDING AND PREMISES ON 03-12-2021  
AND CERTIFY THAT THE ACCOMADATION PROVIDED FOR EACH OF THE  
SEVERAL CLASSES IS SUFFICIENT FOR THE NUMBER OF PUPILS TAUGHT  
IN AND PROPERLY VENTILATED AND LIGHTED, THAT THE BUILDING IS  
MAINTAINED IN SUBSTANTIAL REPAIR THAT IT IS NEAT AND CLEAN  
THAT THE LATRINE ARRANGEMENTS ARE ADEQUATE AND THAT THE  
SUPPLY OF DRINKING WATER IS WHOLESOME AND THAT IN ALL OTHER  
NECESSARY ASPECT THE SANITATION IS GOOD

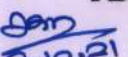
  
BLOCK HEALTH SUPERVISOR  
Govt. Primary Health Centre  
ELATHUR - 627 803.

COUNTER SIGNED

(Based on Inspection Report of BHS  
of 3.12.2021)

  
DEPUTY DIRECTOR OF HELTH SERVICES  
TENKASI

  
8/12/21

  
8.12.21.