



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

From

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Coimbatore 641 018.  
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To

The Principal,  
PSG Matriculation Higher  
Secondary School,  
Tiruchengode Road,  
Sankari,  
Salem - 637 301.

**R.No. 1409/A3/2025, CWA/CBE, M.198, Dated: 20.08.2025.**

Sir,

**Sub:** Report on Examination of water sample from PSG Mat.Hr.  
Sec. School, Tiruchengode Road, Sankari, Salem District,  
Collected on 04.08.2025.

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A sample of water stated to have been collected on 04.08.2025 from the R.O.Outlet tap near Hostel Entrance at PSG Matriculation Higher Secondary School, Tiruchengode Road, Sankari, Salem District Source: Borewell Water by Thiru.R.Manivasakan, Office Superintendent 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 of very soft and less mineralised. The total hardness is only 12 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. 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 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. Unit, which are very essential for a healthy life.

*S. S. S.*

**PRINCIPAL,**

PSG MATRIC HIGHER SECONDARY SCHOOL  
TIRUCHENGODE ROAD,  
SANKARI - 637 301. SALEM DT.

For PSG MATRIC HR. SEC. SCHOOL

*[Signature]*

**CORRESPONDENT**

The R.O. Unit should 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.

*M 21.8.25*  
**CHIEF WATER ANALYST,  
COIMBATORE-18.**  
*9/21/25*  
*21/8/25*

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*S. Such*

**PRINCIPAL,  
PSG MATRIC HIGHER SECONDARY SCHOOL,  
TIRUCHENGODE ROAD,  
SANKARI - 637 301. SALEM DT**

**For PSG MATRIC HR. SEC. SCHOOL**

*[Signature]*  
**CORRESPONDENT**

| DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE           |                                                                                                                                    |  |  |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--|--|
| CHIEF WATER ANALYST'S LABORATORY, COIMBATORE-641018           |                                                                                                                                    |  |  |
| RESULTS OF EXAMINATION OF SAMPLES OF WATER                    |                                                                                                                                    |  |  |
| Samples from                                                  | The Principal, PSG Matriculation Higher Secondary School,<br>Tiruchengode Road, Sankari, Salem - 637 301.                          |  |  |
| Collected by                                                  | Thiru.R.Manivasakan, Office Superintendent                                                                                         |  |  |
| Date of collection:                                           | 04.08.2025                                                                                                                         |  |  |
| Date of Receipt :                                             | 04.08.2025                                                                                                                         |  |  |
|                                                               | M.198                                                                                                                              |  |  |
| Source as per Label                                           | R.O.Outlet tap near Hostel Entrance at PSG Matriculation<br>Higher Secondary School, Tiruchengode Road, Sankari,<br>Salem District |  |  |
| Source :                                                      | Borewell Water                                                                                                                     |  |  |
| <b>Bacteriological Examination</b>                            |                                                                                                                                    |  |  |
| Plate count per ml.on agar at 37°C-24 hrs                     | 15                                                                                                                                 |  |  |
| MPN of Coliform bacteria/100ml                                | 0                                                                                                                                  |  |  |
| Nature of Coliform bacteria isolated                          |                                                                                                                                    |  |  |
| Results of Vibrio test                                        |                                                                                                                                    |  |  |
| <b>Physical Examination</b>                                   |                                                                                                                                    |  |  |
| Colour                                                        | Colourless                                                                                                                         |  |  |
| Turbidity                                                     | 1                                                                                                                                  |  |  |
| Smell                                                         | None                                                                                                                               |  |  |
| <b>Chemical Examination(in mg/l)</b>                          |                                                                                                                                    |  |  |
| Total solids                                                  | 60                                                                                                                                 |  |  |
| Carbonate Hardness (as CaCO <sub>3</sub> )                    | 10                                                                                                                                 |  |  |
| Non-carbonate Hardness(as CaCO <sub>3</sub> )                 | 2                                                                                                                                  |  |  |
| Total Hardness (as CaCO <sub>3</sub> )                        | 12                                                                                                                                 |  |  |
| Chloride (as Cl)                                              | 10                                                                                                                                 |  |  |
| Ammonia cal Nitrogen (as N)                                   | 0                                                                                                                                  |  |  |
| Albuminoid Nitrogen (as N)                                    | -                                                                                                                                  |  |  |
| Oxygen absorbed(Tidys test) in 4 hrs                          | 0.16                                                                                                                               |  |  |
| Nitrate nitrogen as N                                         | 0.5                                                                                                                                |  |  |
| Acidity/Alkalinity} Phenolphthalein                           | 0                                                                                                                                  |  |  |
| as CaCO <sub>3</sub> } Methyl Orange                          | 10                                                                                                                                 |  |  |
| Fluoride (as F)                                               | 0.1                                                                                                                                |  |  |
| pH value                                                      | 6.5                                                                                                                                |  |  |
| Total Iron (as Fe)                                            | 0                                                                                                                                  |  |  |
| Manganese (as Mn)                                             | 0                                                                                                                                  |  |  |
| <b>Qualitative Tests</b>                                      |                                                                                                                                    |  |  |
| Nitrite Nitrogen                                              | Trace                                                                                                                              |  |  |
| Sulphate                                                      | Trace                                                                                                                              |  |  |
| Phosphate                                                     | Trace                                                                                                                              |  |  |
| Toxic Substance                                               | -                                                                                                                                  |  |  |
| Electrical conductivity(Reciprocal<br>megohms per cm at 20°C) | 80                                                                                                                                 |  |  |
| Microscopical Examination                                     | Amorphous Matter                                                                                                                   |  |  |

CHIEF WATER ANALYST,  
COIMBATORE-18.

21/8/25

21/08/25

S. S. S. S.  
PRINCIPAL,

PSG MATRIC HIGHER SECONDARY SCHOOL  
TIRUCHENGODE ROAD,  
SANKARI - 637 301, SALEM DT

For PSG MATRIC HR. SEC. SCHOOL

CORRESPONDENT



PROFORMA REGARDING SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No. A 1/2025

Date: 28.03.2025

It is certified that an inspection team headed by C. Neethidevan  
Block Health Supervisor inspected the 28-03-2025 on  
and found that the PSG Matric Hr. Sec. School, Sankari has safe Drinking water facilities  
for the students and members of staff of the institution and is maintaining the hygienic sanitation  
condition the campus as per the norms prescribed by the Central/state/U.T Govt

This certificate valid up to 28.03.2026

Water Capacity

Sintex 500 lit x (3) Total= 1500 Lit

Signature with seal:

Designation:

  
**BLOCK HEALTH SUPERVISOR**  
Govt, Primary Health Centre  
Vadugapatty, Sankari Block,  
SALEM (Dt)-637 301.

To,

PSG MATRICULATION Hr. Sec. School,  
Palanisamy Gounder Thottam,  
Thiruchengode Road, Sankari Pk.  
Salem Dist - Pin- 637301.

S. Such

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PSG MATRIC HIGHER SECONDARY SCHOOL  
TIRUCHENGODE ROAD,  
SANKARI - 637 301, SALEM DT

For **PSG MATRIC HR. SEC. SCHOOL**

  
CORRESPONDENT