



RURAL DRINKING WATER & SANITATION DEPARTMENT, GoK

Sub Divisional Water Quality Chemical Testing Laboratory, Kanakapura

2nd Floor, Taluku Adalitha Soudha (Mini Vidhana Soudha)

Bangalore South District, Karnataka-562117

TEST REPORT

Report date: 04/09/2026

Report Number:0018

Reference: Sample receipt form

Sample receipt date: 02/09/2026

Sample code: KAN26SEP0020

Date of Sample collection:02/09/2026

Analysis started date: 03/09/2026

Analysis completion date:04/09/2026

Sample collection protocol: APHA 24TH Edition 2023

Sample quantity: 1 Litr.

Address of the sampling location:

SRI TIRUMALA EDUCATION AND CHARITABLE TRUST
Agrahara, Varagerahalli (V), Tungani Post, Kanakapura,
BENGALURU SOUTH

Sample Particulars : FILTER POINT

Sl.No	Test	Results	Acceptable Limit IS 10500 : 2012 RA:2018	Permissible Limit IS 10500 : 2012 RA:2018	Protocol
Description: Colorless clear liquid					
1	pH Value @ 25 °C	7.53	6.5 – 8.5	No relaxation	IS 3025 (Part-11) : 2022
2	Specific Conductance, $\mu\text{S}/\text{c}$ @25 °C	174.3	—	—	IS 3025 (Part-14) : 2023
3	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5 & 6):2018
4	Colour, Hazen Units	<1.0	5	15	IS 3025 (Part-4) :2021
5	Turbidity, NTU	<0.5	1	5	IS 3025 (Part-10) : 2023
6	Total Dissolved Solids@ 180°C, mg/l	84.3	500	2000	IS 3025 (Part-16) : 2023
7	Alkalinity as CaCO_3 , mg/l	48.4	200	600	IS 3025 (Part-23) : 2023
8	Total Hardness as CaCO_3 , mg/l	78.4	200	600	IS 3025 (Part-21) : 2009
9	Calcium as Ca, mg/l	14.5	75	200	IS 3025 (Part-40) : 1991
10	Magnesium as Mg, mg/l	10.4	30	100	IS 3025 (Part-46) : 2023
11	Chloride as Cl, mg/l	49.6	250	1000	IS 3025 (Part-32) : 1988
12	Sulphate as SO_4 , mg/l	6.6	200	400	IS 3025 (Part-24) : 2022
13	Fluoride as F, mg/l	0.4	1	1.5	APHA 23 rd Edition 4500-FD
14	Nitrate as NO_3 , mg/l	1.7	45	No relaxation	APHA 23 rd Edition 4500- NO_3D
15	Iron as Fe, mg/l	<0.1	1	No relaxation	IS 3025 (Part-53) : 2003

Remarks: The given sample meets the IS10500:2012 requirement for the above tested parameters Except Nitrate.

Priyanka
Analysed By
Analyst

RDWSD
Water Quality Lab
Kanakapura.

Shar
Verified By
Assistant Executive Engineer
Rural Water Supply & Sanitation Sub-Division Kanakapura

RDWSD/WQMSP/TeR/01 Note:

- 1) The above results relate only to the sample tested.
- 2) The report shall not be reproduced except in full without the prior approval of the Quality Manager.
- 3) Traceability: Traceability of measurements is established using CRMs traceable to National/International standards.
- 4) Samples will be discarded after 15 days from the date of report generation. Decision rule is applicable as per the procedure mentioned in RDWSD/WQMSP/DR-01.