



RURAL DRINKING WATER & SANITATION DEPARTMENT, GoK
WATER QUALITY TESTING LABORATORY YADGIR
 Railway Station Road Near Railway Station, Yadgir-585-202



TO,

UNAIDED HPS AND HS DDU SHAHAPUR
 TALUK – SHAHAPUR DIST – YADGIR
 PIN - 585223

ULR No : TC -11626-0021
Report date: 30/05/2024
Report Number: 0021
Reference: Sample receipt Form (Departmental)
Sample receipt date: 30/05/2024
Sample code: YDG24MAY0021
Date of Sample collection: 29/05/2024
Analysis start date: 29/05/2024
Analysis completion date: 30/05/2024
Sample collection protocol: IS 10500 :2012

Sample Particulars: RO

Sample quantity: 1 Liter

Sl.No	Test	Results	Acceptable Limit IS 10500 : 2012 RA:2018	Permissible Limit IS 10500 : 2012 RA:2018	Test Method
Description: clear colorless, odorless liquid					
1.	pH Value @25°C	7.0	6.5 – 8.5	No relaxation	IS 3025 (Part-11) : 1983
2.	Specific Conductance, µS/cm	94	-	-	IS 3025 (Part-14) : 1984
3.	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5 & 6):2018
4.	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part-8):1983
5.	Colour, Hazen Units	5	5	15	IS 3025 (Part-4) :1983
6.	Turbidity, NTU	0.5	1	5	IS 3025 (Part-10) : 1984
7.	Total Dissolved Solids @ 105°C, mg/l	41	500	2000	IS 3025 (Part-16) : 1984
8.	Alkalinity as CaCO ₃ , mg/l	12.8	200	600	IS 3025 (Part-23) : 1986
9.	Total Hardness as CaCO ₃ , mg/l	14.4	200	600	IS 3025 (Part-21) : 2009
10.	Calcium as Ca, mg/l	9	75	200	IS 3025 (Part-40) : 1991
11.	Magnesium as Mg, mg/l	4	30	100	IS 3025 (Part-46) : 1994
12.	Chloride as Cl, mg/l	13	250	1000	IS 3025 (Part-32) : 1988
13.	Sulphate as SO ₄ , mg/l	14.90	200	400	IS 3025 (Part-24) : 1986
14.	Fluoride as F, mg/l	0.019	1	1.5	APHA 23 rd Edition
15.	Nitrate as NO ₃ , mg/l	16	45	No relaxation	APHA 23 rd Edition
16.	Iron as Fe, mg/l	0.08	1	No relaxation	IS 3025 (Part-53) : 2003

Remark: The above given sample conforms Acceptable limits as per IS10500:2012 For The above tested parameters only.

Analyzed by:
 Senior Analyst/Junior Analyst
 (Ravikumar)/(Pradeep Chawan)

Authorized Signatory:

 Quality Manager(Pradeep Reddy)

Notes:

RDWSD/WQMSP/TeR/01

- 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.
- 5) Decision rule is applicable as per the procedure mentioned in RDWSD/WQMSP/DR-01.

