



# LAWN ENVIRO PRIVATE LIMITED

[Environmental Engineers & Consultants in Pollution Control]

Recognised by MOEF&CC/CPCB under EP Act, GOI, New Delhi & Laboratory Accredited by NABL



ISO 9001, 14001 & 45001  
Certified Company

## TEST REPORT

REF.NO: LAWN/DOGMS/2024

Date: 14-11-2024

### WATER ANALYSIS

Name & Address : M/s. DAV ORIENT GYAN MANDIR,  
Devapur (V), Kasipet (M),  
Mancherla (Dist), Telangana - 504 218.

Sample Particulars : Drinking Water  
Date of Collection : 08-11-2024  
Date of Analysis : 09-11-2024  
PROTOCOL : A.P.H.A. 24<sup>th</sup> Edition

As per IS:10500 - 2012

		Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
1. Color	: Clear	5 max	15 max
2. Odour	: Agreeable	Agreeable	Agreeable
3. Turbidity (NTU)	: Nil	01 max	05 max
4. pH	: 7.80	6.50 - 8.50	No relaxation
5. E.C (micromhos/cm)	: 150	—	—
6. Total dissolved solids	: 94	500 max	2000 max
7. Total alkalinity as CaCO <sub>3</sub>	: 75.98	200 max	600 max
8. Phenolphthaleine alkalinity as CaCO <sub>3</sub>	: <5.0	—	—
9. Methylorange alkalinity as CaCO <sub>3</sub>	: 75.98	—	—
10. Total hardness as CaCO <sub>3</sub>	: 42.72	200 max	600 max
11 Calcium as Ca	: 12.42	75 max	200 max
12. Magnesium as Mg	: 2.72	30 max	100 max
13. Sodium as Na	: 17.76	—	—
14. Potassium as K	: 1.24	—	—
15. Copper as Cu	: <0.01	0.05	1.50
16. Iron as Fe	: <0.10	0.3 max	No relaxation
17. Manganese as Mn	: <0.01	0.1 max	0.3 max
18. Chlorides as Cl	: 4.97	250 max	1000 max
19. Sulphates as SO <sub>4</sub>	: <1.0	200 max	400 max
20. Nitrates as NO <sub>3</sub>	: <1.0	45 max	No relaxation
21. Flourides as F	: 0.15	1.0 max	1.5 max
22. Phenolic compounds as C <sub>6</sub> H <sub>5</sub> OH	: <0.001	0.001	0.002
23. Mercury as Hg	: <0.001	0.001	No relaxation
24. Cadmium as Cd	: <0.001	0.003	No relaxation
25. Selenium as Se	: <0.01	0.01	No relaxation
26. Cyanide as CN	: <0.001	0.05	No relaxation
27. Lead as Pb	: <0.01	0.01	No relaxation
28. Zinc as Zn	: <0.01	5.0	15
29. Anionic Detergents as MBAS	: Absent	0.2	1.0
30. Residual Chlorine	: <1.0	0.2	01
31. Pesticides	: ND	Absent	0.001
32. Silver as Ag	: <0.001	0.1	No relaxation
33. Mineral Oil	: <0.10	0.5	No relaxation
34. Hexavalent Chromium as Cr+6	: <0.01	0.05	No relaxation
35. Polynuclear aromatic Hydrocarbons as PAH	: Absent	—	—

### BACTERIOLOGICAL ANALYSIS

1. Total Plate Count/ml	: 110 CFU	—	—
2. MPN of Coliform/100ml	: Absent	Absent	Absent
3. MPN of E-Coli/100ml	: Absent	Absent	Absent
4. Moulds / 250 ml	: Absent	—	—

Note: 1. All the values except pH, Turbidity & E.C. are expressed in mg/L.  
2. CFU - Colony Forming Unit  
3. ND - Not Detected

AUTHORISED SIGNATORY

**Rural Water Supply & Sanitation Engineering Department**  
Chemical analysis Report

1 Name of the Laboratory : Water Quality Monitoring Laboratory, Mancherlial  
2 Name of the Division : Mancherlial  
3 Name of the District : Mancherlial

Sl. No	Date	Mandal	Gram panchayat	Habitation	Location	Source	No. of samples		PH	Total Dissolved Solids mg / lit.	Alkalinity (Methyl orange) mg/lit.	Total Hardness mg / lit.	Calcium (As Ca) mg/lit.	Magnesium (As Mg) mg/lit.	Chloride (As Cl) mg/lit.	Fluoride (As F) mg/lit.	Nitrate (No <sub>3</sub> ) mg/lit.	Sulphate (As So <sub>4</sub> ) mg/lit.	Iron (As Fe) mg/lit.	Remarks
							5	6.5 to 8.5												
1	2	3	4	5	6	7	25	10	7.4	67	40	36	12	5.76	20	0.2	0	7	0.2	22
1	14.11.2024	Kasipet	Devapur	Devapur	DAV Orient Gyan Mandir	FW	Nil	Nil	7.4	67	40	36	12	5.76	20	0.2	0	7	0.2	Satisfactory

  
Asst. Chemist  
RWS&S Division, Mancherlial