



AES TESTING LABORATORY

(ISO 9001:2005/ISO45001:2018 Certified Laboratory/NABL Accredited Laboratory)



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TEST REPORT

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Report No: AESTL/24/12/W/0260	Report Date : 17/12/2024
Issued To: M/s. Sri DevarajUrs Academy of Higher Education & Research Tamaka, Kolar..	Customer Reference: Verbal
	Date of Receipt : 11/12/2024
	Date of test Start : 11/12/2024
	Date of Completion of test: 16/12/2024
Sample Location: R.L. Jalappa Central School	Sample Particulars : RO Plant Water

Tests	Results	Maximum Acceptable Limits (in mg/L)	Maximum Permissible Limits (in mg/L)	Protocol IS-3025
		(As per IS 10500:2012)		
Odour	Agreeable	Agreeable	Agreeable	APHA 2150 C
Turbidity, NTU	<1.0	1	5	APHA 2130 B
Total Suspended Solids, mg/L	<1.0	----	----	APHA 2540 D
pH Value	6.72	6.5 – 8.5	No Relaxation	APHA 4500 H ⁺ B
Electrical Conductivity, μ s/cm	43	----	----	APHA 2510 B
Total Dissolved Solids, mg/L	27.0	500	2000	APHA 2540 C
Total Hardness as CaCO ₃ , mg/L	11.0	200	600	APHA 2340 C
Calcium Hardness, mg/L	7.0	----	----	APHA 3500 Ca
Magnesium Hardness, mg/L	4.0	----	----	APHA 3500 Mg - B
Chloride as Cl, mg/L	9.0	250	1000	APHA 4500 Cl
Sulphate as SO ₄ , mg/L	<1.0	200	400	APHA 4500 SO ₄ - E
Nitrate as NO ₃ , mg/L	<0.5	45	No Relaxation	IS 3025 Part 34
Nitrite as NO ₂ , mg/L	Absent	----	----	IS 3025 Part 34
Fluoride as F, mg/L	<0.1	1.0	1.5	APHA 4500 F- D
Iron as Fe, mg/L	<0.1	0.3	No Relaxation	APHA 3500 Fe
Total Alkalinity as CaCO ₃ , mg/L	7.0	200	600	APHA 2320 B
Phenolphthalein Alkalinity, mg/L	Nil	----	----	IS:3025/Part-23
Reactive Silica as SiO ₂ , mg/L	<0.1	----	----	IS:3025/Part-35
Colloidal Silica as CSiO ₂ , mg/L	<0.1	----	----	IS:3025/Part-35
Sodium as Na, mg/L	3.0	----	----	IS:3025/Part-45
Total Coliform Count/100ml	Absent	Absent		IS 15185-RA 2018
E. Coli /100ml	Absent	Absent		IS 15185-RA 2018

Remarks: The given water sample meets to maximum acceptable limits as per IS 10500 : 2012 for above physical , chemical and microbiological testing.

*****End of the Report*****

Tested By :

Authorised Signature

Note : 1. The Result listed pertain only to tested samples and applicable parameters. 2. Samples will be destroyed after 15 days from the date of issue of test certificate unless & otherwise Specified. 3. This Report is not be reproduced either wholly or in part and can not be used an evidence in the court of law and should not any adverting media without prior Written permission. 4. Sampling not done by us, unless specified.



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SRI DEVARAJ URS MEDICAL COLLEGE
Tamaka, Kolar

DEPARTMENT OF MICROBIOLOGY

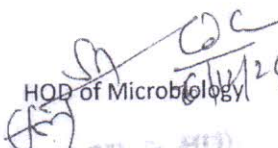


Date: 5/12/2024

Water analysis report

No.	Code	Name of Water collection point	Report
Men's hostel			
1	M2	AHS Men's hostel mess RO Dispenser – Ground floor	Satisfactory No growth
2	M40 B	New UG Men's hostel RO – terrace	Satisfactory No growth
3	M40 A	New UG Men's hostel mess RO (Dispenser)	Satisfactory No growth
Women's hostel			
4	L8	PG Women's hostel RO - terrace	Satisfactory No Growth
5	L9	Women's hostel mess RO – terrace	Satisfactory No growth
6	L13	UG Women's hostel RO – terrace	Satisfactory No growth
7	C51	Microbiology dept RO	Not Satisfactory Coliforms isolated
8	AH3	AHS Hostel near car parking area	Satisfactory No growth
9	L11 C	Nurses Dormitory	Satisfactory No Growth
10	L14	AHS Women's hostel RO - Ground floor	Satisfactory No Growth
11	L15	Nursing Ladies Hostel RO – Ground floor	Not satisfactory coliforms isolated
Hospital			
12	H44	Enteral Feed Section RO terrace	Satisfactory No Growth
13	H28	Dental OPD 1 st floor RO	Satisfactory No growth
14	H19	Mineral water plant RO behind AHS Men's hostel	Satisfactory No Growth
15	H18	Drinking Water – RO – Ward Block – Terrace	Satisfactory No Growth
16	G25	RLJ Central school RO terrace	Satisfactory No Growth

17	G24	Cell Biology RO 2 nd Floor	Satisfactory No Growth
Water sources			
18	B41A	Bore well 1 – collected at pipeline to sump near PG womens hostel	Satisfactory No growth
19	B41B	Bore well 2 – Pipeline to sump near PG women's hostel	Satisfactory No Growth
20	B43	Bore well - pipeline to sump near Water softener (behind university building)	Satisfactory No growth
21	M1	UG Fresher hostel RO	Not Satisfactory Coliforms isolated
22	M5A	PG Men's hostel Ro dispenser Ground floor	Not Satisfactory Coliforms isolated
23	C20	RO Plant Near Biochemistry Dept.	Satisfactory No Growth
24	G26	Kolar OPD RO	Satisfactory No Growth
25	B42	Bore well-Collected at sump near car parking area	Satisfactory No growth
26	R23	Guest house RO	Satisfactory No growth
27	G50	RHTC Devarayasamudra RO	Not Satisfactory Coliforms isolated
28	HL1	Central Lab first floor RO	Satisfactory No growth
29	H31	Doctors Lounge RO-Second floor OT building	Satisfactory No growth


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