



Sacred Heart College Chalakudy

Department of Chemistry

Railway station Road
Chalakudy, Thrissur-680307

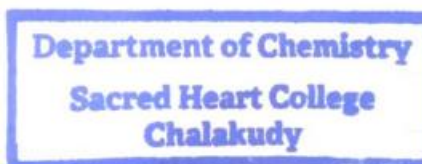
Water Quality Analysis

Date of Collection: 14-9-23
Sample : College Well Water
Ref: **IS: 10500**

Date of testing: 14-9-23

No.	Parameters	Unit	Desirable limit	Permissible limit	Observed value for Well water
1	Ammonium	ppm	0.2	0.5	Nil
2	pH	6.5-8.5			6.6
3	Calcium Hardness	ppm	75	200	20
4	Total hardness (in terms of CaCO ₃)	ppm	300 - 600		120
5	Chloride	ppm	250	1000	40
6	Fluoride	ppm	1	1.5	Nil
7	Iron	ppm	0.3	1	Nil
8	Residual chlorine	ppm	0.2	1	0.2
9	Nitrate	ppm	45		Nil
10	Nitrite	ppm	0.5	1	Nil
11	Phosphate	ppm	5	5	Nil
12	E. Coli				absent

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Technician/in-charge



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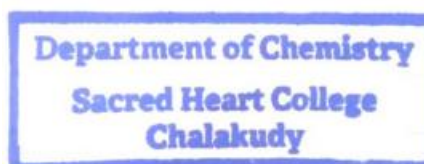
Water Quality Analysis

Date of Collection: 14-9-23
Sample : College Tap Water
Ref: **IS: 10500**

Date of testing: 14-9-23

No.	Parameters	Unit	Desirable limit	Permissible limit	Observed value for Tap water
1	Ammonium	ppm	0.2	0.5	Nil
2	pH	6.5-8.5			6.7
3	Calcium Hardness	ppm	75	200	25
4	Total hardness (in terms of CaCO_3)	ppm	300 - 600		130
5	Chloride	ppm	250	1000	40
6	Fluoride	ppm	1	1.5	Nil
7	Iron	ppm	0.3	1	Nil
8	Residual chlorine	ppm	0.2	1	0.2
9	Nitrate	ppm	45		Nil
10	Nitrite	ppm	0.5	1	Nil
11	Phosphate	ppm	5	5	Nil
12	E. Coli				absent

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Water Quality Analysis

Date of Collection: 14-9-23

Date of testing: 14-9-23

Sample : College Hostel Water

Ref: **IS: 10500**

No.	Parameters	Unit	Desirable limit	Permissible limit	Observed value for Hostel water
1	Ammonium	ppm	0.2	0.5	Nil
2	pH	6.5–8.5			6.8
3	Calcium Hardness	ppm	75	200	20
4	Total hardness (in terms of CaCO ₃)	ppm	300 - 600		160
5	Chloride	ppm	250	1000	60
6	Fluoride	ppm	1	1.5	Nil
7	Iron	ppm	0.3	1	Nil
8	Residual chlorine	ppm	0.2	1	0.2
9	Nitrate	ppm	45		Nil
10	Nitrite	ppm	0.5	1	Nil
11	Phosphate	ppm	5	5	Nil
12	E. Coli				absent

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Water Quality Analysis

Date of Collection: 14-9-23

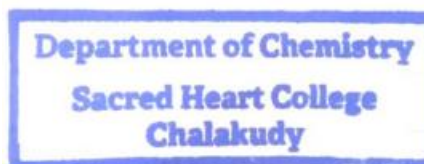
Date of testing: 14-9-23

Sample : College Cooler Water

Ref: **IS: 10500**

No.	Parameters	Unit	Desirable limit	Permissible limit	Observed value for cooler water
1	Ammonium	ppm	0.2	0.5	Nil
2	pH	6.5-8.5			7.1
3	Calcium Hardness	ppm	75	200	40
4	Total hardness (in terms of CaCO_3)	ppm	300 - 600		120
5	Chloride	ppm	250	1000	70
6	Fluoride	ppm	1	1.5	Nil
7	Iron	ppm	0.3	1	Nil
8	Residual chlorine	ppm	0.2	1	0.2
9	Nitrate	ppm	45		Nil
10	Nitrite	ppm	0.5	1	Nil
11	Phosphate	ppm	5	5	Nil
12	E. Coli				absent

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Technician/in-charge