


## WATER SAMPLE ANALYSIS REPORT

WATER QUALITY PARAMETER	UNITS	H HOSTEL CDI INLET	G HOSTEL CDI INLET	H HOSTEL WATER FOUNTAIN	G HOSTEL WATER FOUNTAIN	ACCEPTABLE LIMIT	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
pH	pH unit	7.75	7.45	7.21	7.61	6.5-8.5	No relaxation
EC	$\mu\text{S}/\text{cm}$	450.1	451.2	139.6	127.7	-	-
TOTAL HARDNESS As $\text{CaCO}_3$	mg/L	145.7	151.1	49	32.7	200	600
CALCIUM HARDNESS As $\text{CaCO}_3$	mg/L	90.7	92	24	25.2	-	-
MAGNESIUM HARDNESS As $\text{CaCO}_3$	mg/L	55	59.1	25	7.5	-	-
FLUORIDES	mg/L	0.5	0.6	0.1	0.2	1	1.5
SULFATES	mg/L	31.4	32.7	19.6	17.9	200	400
NITRATE	mg/L	1.5	1.4	1.9	1.2	45	No relaxation
TDS	mg/L	290	280	90	80	500	2000
CHLORIDES	mg/L	45.7	45.8	5.2	3.9	250	1000
PHOSPHATES	mg/L	BDL	BDL	BDL	BDL	-	-
ALKALINITY As $\text{CaCO}_3$	mg/L	130	135	45	40	200	600
Na	mg/L	36.4	36.5	15.1	14.1	-	-
Mg	mg/L	13.2	14.2	6.2	1.8	30	100
K	mg/L	1.3	2.5	0.5	0.8	-	-
Ca	mg/L	36.3	36.8	9.6	10.1	75	200
TURBIDITY	NTU	0.88	0.92	0.74	0.64	1	5


BDL-Below Detection Limit

Note: Reliability of the results are dependent on the quality of sampling and the test results apply to the actual sample tested.

Analyzed By

  
M. Sunil Kumar

Verified By

  
12/02/2024  
Dr. Shihabudheen M. Maliyekkal

## WATER SAMPLE ANALYSIS REPORT

WATER QUALITY PARAMETER	UNITS	H HOSTEL CDI OUTLET	G HOSTEL CDI OUTLET	NEW DINING CDI OUTLET	NEW DINING OLD CDI OUTLET	ACCEPTABLE LIMIT	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
pH	pH unit	7.54	7.18	7.49	7.69	6.5-8.5	No relaxation
EC	$\mu\text{S}/\text{cm}$	136.1	191.8	37.45	259.1	-	-
TOTAL HARDNESS As $\text{CaCO}_3$	mg/L	37.4	41.7	19.7	67.4	200	600
CALCIUM HARDNESS As $\text{CaCO}_3$	mg/L	21.6	25.5	16.7	40.7	-	-
MAGNESIUM HARDNESS As $\text{CaCO}_3$	mg/L	15.8	16.2	3	26.7	-	-
FLUORIDES	mg/L	0.1	0.2	BDL	0.2	1	1.5
SULFATES	mg/L	19.8	29	5.6	29.3	200	400
NITRATE	mg/L	BDL	0.8	BDL	BDL	45	No relaxation
TDS	mg/L	90	130	20	170	500	2000
CHLORIDES	mg/L	6.1	8.8	1.9	17	250	1000
PHOSPHATES	mg/L	BDL	BDL	BDL	BDL	-	-
ALKALINITY As $\text{CaCO}_3$	mg/L	40	50	20	75	200	600
Na	mg/L	15.3	24.7	3.6	26.5	-	-
Mg	mg/L	3.8	3.9	0.7	6.4	30	100
K	mg/L	1.9	1.4	1	1.4	-	-
Ca	mg/L	10.3	10.2	6.7	16.3	75	200
TURBIDITY	NTU	0.94	0.86	0.83	0.59	1	5

BDL-Below Detection Limit

Note: Reliability of the results are dependent on the quality of sampling and the test results apply to the actual sample tested.

Analyzed By

M. Sunil Kumar

Verified By

Dr. Shihabudheen M. Maliyekkal

*Dr. Shihabudheen M. Maliyekkal*  
13/02/2024