

Surface Water Quality Data in Karaikal - July 2025		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	03.07.2025
4	Time	06.30 A.M
5	Temperature °C	30.0
6	DO mg/l	6.3
7	pH	7.98
8	Conductivity µmho/cm	1061
9	Turbidity NTU	7.6
10	COD (mg/l)	24.1
11	BOD (mg/l)	2.5
12	Nitrate -N (mg/l)	BDL (DL:0.3)
13	Nitrite -N (mg/l)	BDL (DL:0.02)
14	Nitrate (mg/l)	BDL
15	Ammonia - N (mg/l)	BDL (DL:0.4)
16	Fluoride (mg/l)	0.64
17	P. Alkalinity (mg/l)	BDL (DL:5.0)
18	Total Alkalinity (mg/l)	285.0
19	Chloride mg/l	136.0
20	Total Hardness mg/l	176.0
21	Calcium Hardness mg/l	82.0
22	Magnesium Hardness mg/l	94.0
23	Calcium as Ca ⁺⁺ mg/l	32.8

Sl.No.	Parameters	Arasalar River
	Station Code	1685
24	Magnesium as Mg ⁺⁺ mg/l	22.8
25	TDS mg/l	651
26	TSS (mg/l)	15.0
27	FDS/TFS mg/l	450
28	Sulphate (mg/l)	30.53
29	Ortho phosphate (mg/l)	0.07
30	Sodium mg/l	210.6
31	Potassium mg/l	4.34
32	% Sodium	71.5
33	SAR	6.88
34	Total Coliform MPN/100 ml	540
35	Faecal Coliform MPN/100ml	170
36	Faecal Streptococci MPN/100ml	240

BDL - Below Detectable Limit DL - Detection Limit