

**Surface Water Quality Data in Karaikal - April 2026**

Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	01.04.2026
4	Time	06.45 A.M
5	Temperature °C	29.5
6	DO mg/l	5.0
7	pH	7.72
8	Conductivity µmho/cm	947
9	Turbidity NTU	3.4
10	COD (mg/l)	28.1
11	BOD (mg/l)	1.3
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)	0.58
17	P. Alkalinity (mg/l)	BDL (DL: 5)
18	Total Alkalinity (mg/l)	376
19	Chloride mg/l	128.2
20	Total Hardness mg/l	180.5
21	Calcium Hardness mg/l	98.8
22	Magnesium Hardness mg/l	81.7
23	Calcium as Ca <sup>++</sup> mg/l	39.52

Sl.No.	Parameters	Arasalar River
	Station Code	1685
24	Magnesium as Mg <sup>++</sup> mg/l	19.85
25	TDS mg/l	538
26	TSS (mg/l)	BDL (DL: 10)
27	FDS/TFS mg/l	330
28	Sulphate (mg/l)	27.43
29	Ortho phosphate (mg/l)	BDL (DL: 0.05)
30	Total Coliform MPN/100 ml	430
31	Faecal Coliform MPN/100ml	79
32	Faecal Streptococci MPN/100ml	150

**BDL - Below Detectable Limit DL - Detection Limit**