

Surface Water Quality Data in Karaikal - July 2026		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	03.07.2026
4	Time	06.30 A.M
5	Temperature °C	30.0
6	DO mg/l	5.3
7	pH	8.27
8	Conductivity µmho/cm	1366
9	Turbidity NTU	10.1
10	COD (mg/l)	28.0
11	BOD (mg/l)	2.8
12	Nitrate -N (mg/l)	BDL (DL: 0.3)
13	Nitrite -N (mg/l)	BDL (DL: 0.02)
14	Nitrate (mg/l)	BDL
15	P. Alkalinity (mg/l)	6
16	Total Alkalinity (mg/l)	445
17	Carbonate (mg/l)	3.6
18	Bi- Carbonate (mg/l)	535.58
19	Fluoride (mg/l)	0.45
20	Chloride mg/l	193.3
21	Ammonia - N (mg/l)	BDL (DL: 0.4)
22	Total Hardness mg/l	239.2
23	Calcium Hardness mg/l	64.7
24	Magnesium Hardness mg/l	174.5

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25	Calcium as Ca++ mg/l	25.9
26	Magnesium as Mg++ mg/l	42.4
27	TDS mg/l	782
28	TSS (mg/l)	20.0
29	FDS/TFS mg/l	516
30	Sulphate (mg/l)	38.26
31	Ortho phosphate (mg/l)	0.09
32	Sodium mg/l	294.2
33	Potassium mg/l	5.95
34	% Sodium	71.97
35	SAR	8.23
36	Total Coliform MPN/100 ml	150
37	Faecal Coliform MPN/100ml	11
38	Faecal Streptococci MPN/100ml	47

BDL - Below Detectable Limit DL - Detection Limit