

Surface Water Quality Data in Karaikal - December 2025		
Sl. No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	01.12.2025
4	Time	06.50 A.M
5	Temperature °C	26.0
6	DO mg/l	5.0
7	pH	7.18
8	Conductivity µmho/cm	320
9	Turbidity NTU	21.0
10	COD (mg/l)	20.0
11	BOD (mg/l)	1.6
12	Nitrate -N (mg/l)	0.30
13	Nitrite -N (mg/l)	0.03
14	Nitrate (mg/l)	BDL
15	Ammonia - N (mg/l)	BDL (DL: 0.4)
16	Fluoride (mg/l)	0.26
17	P. Alkalinity (mg/l)	BDL (DL: 5.0)
18	Total Alkalinity (mg/l)	140
19	Chloride mg/l	27.4
20	Total Hardness mg/l	80.0
21	Calcium Hardness mg/l	38.0
22	Magnesium Hardness mg/l	42.0
23	Calcium as Ca ⁺⁺ mg/l	15.2

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24	Magnesium as Mg ⁺⁺ mg/l	10.206
25	TDS mg/l	223
26	TSS (mg/l)	19.0
27	FDS/TFS mg/l	140
28	Sulphate (mg/l)	10.07
29	Ortho phosphate (mg/l)	0.2288
30	Sodium mg/l	35.84
31	Potassium mg/l	2.55
32	% Sodium	48.20
33	SAR	1.70
34	Hexavalent Chromium (mg/l)	BDL (DL:0.05)
35	Total Coliform MPN/100 ml	350
36	Faecal Coliform MPN/100ml	140
37	Faecal Streptococci MPN/100ml	94

BDL - Below Detection Limit
DL - Detection Limit