

Surface Water Quality Data in Karaikal - January 2026

Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	05.01.2026
4	Time	06.40 A.M
5	Temperature °C	26.0
6	DO mg/l	4.8
7	pH	7.88
8	Conductivity µmho/cm	877
9	Turbidity NTU	7.2
10	COD (mg/l)	8.0
11	BOD (mg/l)	BDL (DL: 1.0)
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)	0.5
17	P. Alkalinity (mg/l)	BDL (DL: 5)
18	Total Alkalinity (mg/l)	273
19	Chloride mg/l	101.0
20	Total Hardness mg/l	182.4
21	Calcium Hardness mg/l	88.2
22	Magnesium Hardness mg/l	94.2
23	Calcium as Ca ⁺⁺ mg/l	35.3

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24	Magnesium as Mg ⁺⁺ mg/l	22.9
25	TDS mg/l	492
26	TSS (mg/l)	BDL (DL: 10)
27	FDS/TFS mg/l	249
28	Sulphate (mg/l)	30.02
29	Ortho phosphate (mg/l)	0.0887
30	Sodium mg/l	110.9
31	Potassium mg/l	4.1
32	% Sodium	56.07
33	SAR	3.56
34	Total Coliform MPN/100 ml	280
35	Faecal Coliform MPN/100ml	70
36	Faecal Streptococci MPN/100ml	58

BDL - Below Detectable Limit DL - Detection Limit