



"Maji Safi Maisha Bora"
 "Quality Water Healthy Livelihood"

KAKAMEGA COUNTY WATER AND SANITATION COMPANY

Water Quality monitoring and pollution control section

Client's name: LIKUYANI WATER PROJECT.....

Source of sample: DAM.....

Ref. no 1054/10/18.....

Purpose: *Physiochemical and bacteriological analysis*.....

Date Received..... 31/10/18..... Date analyzed..... 31/10/18.....

	PARAMETER	TEST RESULT	KEBS - STDS LIMIT
1	Turbidity (FTU/NTU)	71.5	0-5
2	PH(pH scale)	7.8	6.5-8.5
3	Color (Hazen units)	802	0-15
4	Total suspended solids(mg/l)	63	0
5	Iron (mg/l)	2.35	0.3
6	Fluoride (mg/l)	0.00	1.5
7	Manganese (mg/l)	0.250	0.1
8	Nitrates(mg/l)	0.0	10
9	Phosphates(mg/l)	1.11	-
10	Sulfates(mg/l)	1	400
11	Conductivity ($\mu\text{s}/\text{cm}^3$)	152.0	2000
12	Temperature ($^{\circ}\text{c}$)	28.5	-
13	Dissolved oxygen (mg/l)	6.29	≥ 4.0
14	Total dissolved solids (mg/l)	67.4	1500
15	Salinity (g/l)	0.3	5
16	Resistivity(M Ω)	0.02	-
17	Total Alkalinity(mg/l)	66	500
18	Total Hardness(mg/l)	81	500
19	Total coli forms (no./100ml)	TNTC	Nil/100ml
20	Fecal Coli forms (no./100ml)	TNTC	Nil/100ml
21	Chemical oxygen demand(mg/l)	7	-
22	Biochemical Oxygen demand(BOD ₅)(mg/l)	1.2	-

NB: TNTC-Too Numerous To Count

REMARKS: The Sample performed as shown above.

Analyzed by;

(Laboratory Technician)

Approved by;

(Quality Assurance Manager)

Authorized by;

(Managing Director)