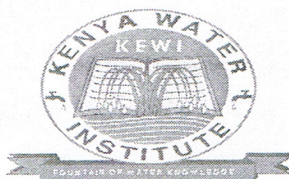


KENYA WATER INSTITUTE



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Sample No: 5610/2017

Date of analysis... Jan 2017

Source: Daniel Muimi Kikwa B/Hole, Kitui.

Date received:20/01/2017

Purpose of sampling...Quality investigation

Submitted by...Hydroman Agencies L.T.D

WATER CHEMICAL ANALYSIS REPORT

PARAMETERS	UNIT	RESULTS	WHO ADMISSABLES	KEBS STANDARDS
pH	pH scale	8.13	6.5-8.5	6.5-8.5
Colour	MgPt/l	5	15	15
Turbidity	FAU	5	10	10
Alkalinity	Mg/l CaCO ₃	110	500	500
Conductivity (25C)	μS/cm	5600	1500	2500
Calcium	Mg/L Ca	81.4	150	150
Iron	Mg/l Fe	0.43	0.3	0.3
Magnesium	mg/L Mg	25.4	100	100
Total hardness	mg/L CaCO ₃	540	500	500
Chlorides	mg/L Cl	280	250	250
Fluorides	MgF/L	2.58	1.5	1.5
Nitrates	mg/L NO ₃	6.4	10	10
Nitrites	Mg/l NO ₂	2.4	0.1	0.1
Sulphate	mg/L SO ₄	60	400	400
Free Carbon Dioxide	mg/L CO ₂	28	not objectionable	not objectionable
Total dissolved solids	Mg/l	3472	1500	2500
Manganese	Mg/l	0.25	0.1	0.1
Sodium	Mg/L	31.4	100	100
Potassium	Mg/l	19.5	100	100
Aluminium	Mg/L			
Chlorine demand	Mg/L			
Chemical oxygen demand (C.O.D)	Mg/L			
Biochemical oxygen demand (B.O.D)	Mg/L			

COMMENTS: Slightly higher fluorides, dissolved solids(see the electrical conductivity) and iron contents have been detected. Monitoring is recommended.

KENYA WATER INSTITUTE LABORATORY

FOR CHEMIST.....

[Handwritten signature]

DIRECTOR
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