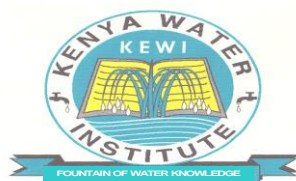


KENYA WATER INSTITUTE



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Sample No: 6140/2017

Source: Mr.Mutuku B/Hole, Machakos.

Purpose of sampling...Quality investigation

Date of analysis... March 2017

Date received:02/03/2017

Submitted by... WADI DRILLING 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	130	500	500
Conductivity (25C)	μS/cm	2500	1500	2500
Calcium	Mg/L Ca	54	150	150
Iron	Mg/l Fe	0.47	0.3	0.3
Magnesium	mg/L Mg	24.4	100	100
Total hardness	mg/L CaCO ₃	160	500	500
Chlorides	mg/L Cl	210	250	250
Fluorides	MgF/L	1.48	1.5	1.5
Nitrates	mg/L NO ₃ -	6.4	10	10
Nitrites	Mg/l NO ₂	2.1	0.1	0.1
Sulphate	mg/L SO ₄	40	400	400
Free Carbon Dioxide	mg/L CO ₂	28	not objectionable	not objectionable
Total dissolved solids	Mg/l	1550	1500	2500
Manganese	Mg/l	0.31	0.1	0.1
Sodium	Mg/L	26	100	100
Potassium	Mg/l	19.4	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: Traces of dissolved solids are present. Monitoring is recommended.

Chemist.....

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