

GHANA WATER COMPANY LIMITED

Main bankers: GCB Bank Limited
Societe General Ghana
National Investment Bank



Upper East Regional
P. O. Box 24
Bolgatanga - Ghana
West Africa

My ref no:

Your ref no:

ATTENTION : Mr. Kanjaluisa
SAMPLE ID : Kanjaluisa
TYPE OF SAMPLE : Borehole
DATE OF SUBMISSION : 10/10/2017
DATE OF ANALYSIS : 10/10/2017

PHYSICO-CHEMICAL AND BACTERIOLOGICAL WATER ANALYSIS

PARAMETER	UNIT	SAMPLE RESULTS	GHANA STANDARDS	REMARKS
pH	units	7.57	6.5 - 8.5	Satisfactory
Conductivity	µS/cm	242	1000	Satisfactory
Temperature	°C	31.6		Satisfactory
Turbidity	NTU	0.35	≤ 5	Satisfactory
Colour	HU	5	≤ 5	Satisfactory
Total dissolved solids	mg/L	120	≤ 500	Satisfactory
Suspended solids	mg/L	42		Satisfactory
Total solids	mg/L	162		Satisfactory
Total alkalinity (as CaCO ₃)	mg/L	236		Satisfactory
Total hardness (as CaCO ₃)	mg/L	194	500	Satisfactory
Ca hardness (as CaCO ₃)	mg/L	134		Satisfactory
Mg hardness (as CaCO ₃)	mg/L	60		Satisfactory
Calcium	mg/L	53.6		Satisfactory
Magnesium	mg/L	14		Satisfactory
Chloride	mg/L	32	≤ 250	Satisfactory
Fluoride	mg/L	0.82	≤ 1.5	Satisfactory
Sulphate	mg/L	13	≤ 400	Satisfactory
Nitrate	mg/L	9.75	≤ 50.0	Satisfactory
Nitrite	mg/L	0.013	≤ 3.0	Satisfactory
Ammonia	mg/L	0.8954	≤ 1.5	Satisfactory
Total iron	mg/L	0.3	≤ 0.3	Satisfactory
Manganese	mg/L	0.093	≤ 0.1	Satisfactory
Zinc	mg/L	0.62	≤ 5.0	Satisfactory
Copper	mg/L	0.27	≤ 2.0	Satisfactory
Aluminium	mg/L	0.02	≤ 0.2	Satisfactory
<i>E. coli</i>	MPN/100 mL	0	0	Satisfactory

REMARKS: The sample results as submitted conforms to the WHO Guidelines and the Ghana standards GS 175 as indicated above. The sample is physically appealing, chemically and bacteriologically safe to be used as drinking water source.

For: *Asamoah Gyimah Evans*
REG. WATER QUALITY MANAGER
GHANA WATER COMPANY LTD.
BOLGATANGA, U.E.R.

ASAMOAH GYIMAH EVANS
(REG WQA MANAGER)

Board of Directors: Mr. Eric Biliguo Adama (Chairman), Mr. Frederick Christian Lokko (Managing Director), Alhaji Ziblim Yakubu, Mr. Seth Abbey, Mr. Nuhu Mallam Saani, Hon. Mrs. Mona Hellen K. Quartey, Mr. Ibrahim Jagrisu, Nana Ameyaw Kotoko II, Mr. Timothy Nyame
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