



Analysis Results

Water Research Institute, Environmental Chemistry and Sanitation Engineering Division

CSIR Premises, Airport Res. Area

P. O. Box M. 32

Accra, Ghana

Phone: (+233-0302) 775351/52 Fax: (+233-21) 777170 E-mail: info@csir-water.com

Order ID

Company Name:

Contact First Name:

Contact Last Name:

Billing Address:

Postal Code

City:

Community: Krachi-West Oti Region

Site Name:

Sample: Lead for Ghana

Receipt date: 29/02/24

Analysis start date: 29/02/24

Analysis stop date: 05/03/24

Parameter	Method No.	Unit	Value	GS 175-1	WHO Guideline
Turbidity	3	NTU	1.28	5	5
Colour (apparent)	2	Hz	<2.50	5	15
Odour		-	-	Inoffensive	Inoffensive
pH	4	pH Units	7.39	6.5-8.5	6.5-8.5
Conductivity	1	µS/cm	432	-	-
Tot. Susp. Solids (SS)	5	mg/l	1.00	0	-
Tot. Dis. Solids (TDS)	6	mg/l	259	1000	1000
Sodium	30	mg/l	57.0	200	200
Potassium	29	mg/l	3.40	30	30
Calcium	23	mg/l	28.4	200	200
Magnesium	26	mg/l	7.21	150	150
Total Iron	31	mg/l	0.061	0.3	0.3
Ammonia (NH ₄ -N)	13	mg/l	<0.001	0.00 – 1.5	0.00 – 1.5
Chloride	24	mg/l	8.70	250	250
Sulphate (SO ₄)	19	mg/l	3.05	250	250
Phosphate (PO ₄ -P)	17	mg/l	0.104	-	-
Manganese	26	mg/l	0.061	0.4	0.4
Nitrite (NO ₂ -N)	14	mg/l	0.250	1.0	1.0

Parameter	Method No.	Unit	Value	GS 175-1	WHO Guideline
Nitrate (NO ₃ -N)	15	mg/l	1.23	10	10
Total Hardness (as CaCO ₃)	25	mg/l	101	500	500
Total Alkalinity (as CaCO ₃)	22	mg/l	186	-	-
Calcium Hardness (as CaCO ₃)	23	mg/l	71.1	-	-
Mag. Hardness as CaCO ₃)	26	mg/l	29.7	-	-
Fluoride	20	mg/l	1.14	1.5	1.5
Bicarbonate (as CaCO ₃)	22	mg/l	227	-	-
Carbonate	22	mg/l	0.00	-	-

Remarks: The physico-chemical constituents of the water sample are satisfactory. The water is therefore suitable for potable use.

Approved by:



Dr. K.A. Asante (Head, ECS&D)



The report shall not be reproduced in part or in full, without the written approval of the test laboratory. The analytical results relate only to the samples analysed. The bracket (<) indicates value below detection Limit.