

# Water Analysis Report

Arsenic in Water, Basic Drinking Water Analysis, Total Dissolved Solids, Water Colour Analysis



Report Ref#: CN-01793

Customer:	Muringa Management Court	Water Use:	Drinking (W.H.O.)	Date Received:	16-Apr-19
Address:	muringacourt2016@gmail.com			Analysis Date:	23-Apr-19
Farm Name:	Muringa Court	Comments:		Report Date:	24-Apr-19
Contact Person:	Collins	Condition:	Filled	Sample ID:	CM443WA0001

Water Source: B/Hole 306 M

To maintain the correct history ensure that the next sample sent from this Water Source is labelled: B/Hole 306 M

History (Last 3 analysis)

Parameter	Unit	Result	Guide Low	Guide High	Low	Optimum	High	Symbol	Current		Method
pH		8.30	6.50	8.50				pH	8.30		CN-TM-W01
*Electrical Conductivity	mS cm <sup>-1</sup>	0.28		< 1.80				EC	0.28		CN-TM-W02
*Ammonium	ppm	< 0.01		< 0.50				NH4	< 0.01		CN-TM-W06
Calcium	ppm	< 0.05		< 150				Ca	< 0.05		CN-TM-W08
Magnesium	ppm	< 0.02		< 100				Mg	< 0.02		CN-TM-W08
Potassium	ppm	7.65		< 100				K	7.65		CN-TM-W08
Sodium	ppm	62.6		< 200				Na	62.6		CN-TM-W08
Nitrate N	ppm	0.04		< 10.0				NO3N	0.04		CN-TM-W07
*Nitrates	ppm	0.18		< 50.0				NO3	0.18		CN-TM-W07
Phosphorus	ppm	0.15		< 0.20				P	0.15		CN-TM-W08
Sulphur	ppm	1.17		< 133				S	1.17		CN-TM-W08
*Sulphate	ppm	3.51		< 250				SO4	3.51		CN-TM-W08
Iron	ppm	0.15		< 0.30				Fe	0.15		CN-TM-W08
Manganese	ppm	< 0.01		< 0.40				Mn	< 0.01		CN-TM-W08
Zinc	ppm	< 0.01		< 1.50				Zn	< 0.01		CN-TM-W08
Copper	ppm	< 0.01		< 0.05				Cu	< 0.01		CN-TM-W08
Boron	ppm	0.029		< 2.40				B	0.029		CN-TM-W08
Chlorides	ppm	9.52		< 250				Cl	9.52		CN-TM-W03
*Bicarbonate	ppm	135		< 255				HCO3	135		CN-TM-W05
*Fluorides	ppm	5.52		< 1.50				Fl	5.52		CN-TM-W04
*Hardness	ppm	0.21		< 300				CaCO3	0.21		CN-TM-W10
Molybdenum	ppm	0.021		< 0.07				Mo	0.021		CN-TM-W08
Silicon	ppm	40.0		< 50.0				Si	40.0		CN-TM-W08
*Silica	ppm	85.6		< 115				SiO2	85.6		CN-TM-W08
*Turbidity	NTU	0.82		< 5.00				TUB	0.82		CN-TM-W15
Arsenic	ppm	< 0.007		< 0.01				As	< 0.007		CN-TM-W14
*Colour	H.U	10.0		< 15.0				Col	10.0		CN-TM-W18
*Total Dissolved Solids	ppm	176		< 1000				TDS	176		CN-TM-W19

"<": the result is below the limit of detection.

## COMMENTS #

High fluoride levels > 1.5 ppm can result in development of dentofluorosis, and are above health based guidelines.

## RECOMMENDATIONS #

> Install defluoridation system (bone char, Reverse osmosis)

Jo Gakobo  
Lab Manager

Cordingley Jeremy  
Managing Director

Approval Date: 24/04/2019

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