



## GREATER TZANEEN MUNICIPALITY

### WATER SERVICES LABORATORY

Tzaneen Cetral Laboratory  
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Ref no: ALL/ Q1/ 18-19

Area : Tzaneen, Nkowankowa, Letsitele and Haenertsburg

Date Sampled: Monthly

Date analysed: September 2018



**blue drop**  
 CERTIFICATION  
 drinking water quality  
 REGULATION

Determinants	Tzaneen	Nkowankowa	Letsitele	Haenertsburg	Standard limits
Ph (-logH)	8.41	7.81	7.56	8.00	> 5- ≤ 9.7 Operational
Turbidity (NTU)	0.30	0.61	0.3	0.49	≤ 5 Aesthetic ≤ 1 Operational
Colour (as Pt)	1.25	12.67	4.5	5.50	≤ 15 Aesthetic
Conductivity (mS/m)	6.93	11.00	14.6	4.76	≤ 170 Aesthetic
Temperature °C	25.05	19.87	25.58	17.35	N/A
Total Dissolved Solids (mg/l)	32.28	51.73	66.06	22.25	≤ 1200 Aesthetic
Total Alkalinity (mg/l)					N/A
Total Hardness (mg/l)					N/A
Calcium Hardness as CaCO <sub>3</sub> (mg/l)					N/A
Calcium as Ca (mg/l)					N/A
Magnesium Hardness as CaCO <sub>3</sub> (mg/l)					N/A
Magnesium as Mg (mg/l)					N/A
Sodium as (Na) (mg/l)					≤ 200 Aesthetic
Potassium as K (mg/l)					N/A
Chloride as Cl (mg/l)					≤ 300 Aesthetic
Fluoride as F (mg/l)					≤ 1.5 Chronic Health
Sulphate as SO <sub>4</sub> (mg/l)					≤ 250 Aesthetic ≤ 500 Acute Health-1
Nitrate as N (mg/l)					≤ 11 Acute health-1
Iron as Fe (mg/l)					≤ 0.3 Aesthetic ≤ 2 Chronic Health
Manganese as Mn (mg/l)					≤ 0.1 Aesthetic ≤ 500 Chronic Health
Ammonia as N (mg/l)					≤ 1.5 Aesthetic
Aluminium as Al (mg/l)					≤ 0.3 Operational
Zinc as Zn (mg/l)					≤ 5 Aesthetic
Langelier Sat. Index					N/A
Ryznar Index					N/A
Corrosivity Ratio					N/A
Free Res. Chlorine (mg/l)	0.59	0.51	0.25	1.05	≤ 5 Chronic Health
E.Coli (count/100ml)	0.00	0.00	0	0.00	0 Acute Health-1
Total Coliform Bacteria (count/100ml)	0.00	0.00	0	0.00	≤ 10 Operational

Water analysis results for Tzaneen, Letsitele, Nkowankowa and Haenertsburg. The results indicate that the water in these towns is suitable for domestic use.

Signature : 

Date : 09/10/2018