


**MICROBIOLOGICAL ANALYSIS
 TEST REPORT**

Sample From: **Nkangala District Municipality** Address: **Posbus 437**
Municipal Health Services **Walter Sisulu**
Emakhazeni Town Council **Middelburg**
1050

Date Received: **21-Nov-17**
 Date Analyzed: **21-Nov-17**
 Date Reported: **23-Nov-17**
 Quantity Analyzed: **9** Ref No: **K 1160 - 1168 / 17 B**

LAB REF ID	LAB NO	SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS				
					≤ 10	Nil	Nil	≤ 1000	
					TOTAL COLIFORM BACTERIA PER / 100ML	FAECAL COLIFORM PER / 100 ML	ESCHERISCHIA COLIFORM PER 100 ML	HETEROTROPHIC PLATE COUNT PER 1.0 ML	
DULLSTROOM			YES	NO		A / B			
D	K 1160	DS20/11/17: Dullstroom Waterworks Final	x		Nil	B	Nil	23	
D	K 1161	DS22/11/17: Dullstroom Reservoir	x		Nil	B	Nil	36	
D	K 1162	DS21/11/17: Sakhelwe Reservoir	x		Nil	B	Nil	15	
D	K 1163	DS23/11/17: Sakhelwe Clinic	x		Nil	B	Nil	14	
D	K 1164	DS25/11/17: Sakhelwe Creche'	x		Nil	B	Nil	25	
D	K 1165	DS24/11/17: Cosmo General Dealer	x		5	B	Nil	377	
D	K 1166	DS26/11/17: La Bomba Centre	x		Nil	B	Nil	29	
D	K 1167	DS27/11/17: Municipal Offices	x		6	B	Nil	34	
D	K 1168	DS28/11/17: SA Epilepsy Centre	x		Nil	B	Nil	17	
METHOD USED					A- SANAS 5221 OR B - COLILERT		SANS 5221	COLILERT	SANS 5221

S.A.N.S. 241-1:2015 MICROBIOLOGICAL REQUIREMENTS
 Allowable compliance for **DRINKING WATER**

Determinant	Risk	Unit	Standard limits
Escherichia Coliform / or Faecal Coliform bacteria	Acute Health - 1	Count per 100 ml	Not Detected
Heterotrophic Plate Count	Operational	Count per 1 ml	≤ 1 000
Total Coliform Bacteria	Operational	Count per 100 ml	≤ 10

Results exceeding alert levels will require immediate remedial action and follow-up sampling.

EFFLUENT WATER

 Regional Standard (Department Water Affairs and Forestry) of 26 March 2004 No.399 for Waste water specifies :
 Waste water or Effluent shall **not** contain more than 1000 Faecal Coliform per 100 ml.

These results relate only to samples tested.

Opinions and interpretations expressed herein are outside the scope of SANAS accreditation.

- Samples highlighted in grey are not within the limits as specified.

REMARKS:

- a.) **Samples DS20/11/17: Dullstroom Waterworks Final, DS22/11/17: Dullstroom Reservoir, DS21/11/17: Sakhelwe Reservoir, DS23/11/17: Sakhelwe Clinic, DS25/11/17: Sakhelwe Creche', DS24/11/17: Cosmo General Dealer, DS26/11/17: La Bomba Centre , DS27/11/17: Municipal Offices, DS28/11/17: SA Epilepsy Centre complies with the SANS 241:2015 microbiological drinking water standard for the tested parameters. The water is bacteriologically suitable for domestic use.**

 P.L.G UYS (M.D.)
 Technical Signatory

SANS
241-1
Edition 2
2015