


**CERTIFICATE OF MICROBIOLOGICAL ANALYSIS
 TEST REPORT**

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

Date Received: **22-Sep-17**
 Date Analyzed: **22-Sep-17**
 Date Reported: **24-Sep-17**
 Quantity Analyzed: **8**

 Ref No: **I 1529 - 1536 / 17 B**

LAB NO	WB	SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS				
			YES	NO	≤ 10	Nil	Nil	≤ 1000	
				TOTAL COLIFORM BACTERIA PER / 100ML	A / B	FAECAL COLIFORM PER / 100 ML	ESCHERISCHIA COLIFORM PER 100 ML	HETEROTROPHIC PLATE COUNT PER 1.0 ML	
I 1529	30/9/17	P 118	X		>200	B	35	29	440
I 1530	32/9/17	Vulingscondo Stimulation Centre	X		145	B	30	24	524
I 1531	31/9/17	Khayalami service Centre	X		>200	B	90	74	420
I 1532	33/9/17	Mississippi Resturant	X		>200	B	80	56	399
I 1533	34/9/17	Silwerdae Old Age Home	X		>200	B	85	59	461
I 1534	35/9/17	Technical Workshop	X		>200	B	80	53	409
I 1535	36/9/17	Waterworks Outlet Final	X		>200	B	70	53	434
I 1536	37/9/107	Boven Reservoir	X		>200	B	18	10	233
					A - SANAS 5221 OR B - COLILERT		SANS 5221	COLILERT	SANS 5221

**S.A.N.S. 241-1:2015 Ed 2 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.) These samples contain all types of bacteria. These bacteria are pathogenic (disease forming) in nature. **DO NOT** use this water for Human Consumption. It is advisable to chlorinate this water to achieve complete disinfection.

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

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