

## 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:** **15-Jun-17**  
**Date Analyzed:** **15-Jun-17**  
**Date Reported:** **17-Jun-17**  
**Quantity Analyzed:** **11** **Ref No: F 865 - 875 / 17 B**

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		
BF		BELFAST		YES	NO	A / B			
F 865	13/6/17	HA Grove Hospital	X		Nil	B	Nil	Nil	31
F 866	15/6/17	Belfast Old Age Home	X		Nil	B	Nil	Nil	40
F 867	11/6/17	Leratong Creche'	X		Nil	B	Nil	Nil	5
					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 fulfill the bacteriological criteria as specified by SANS 241 Standard for Human Consumption.



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

Technical Signatory

SANS  
 241-1  
 Edition 2  
 2015

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					YES	NO	A / B		
<b>F 868</b>	<b>1/06/17</b>	<b>Belfast Old Age Home Borehole</b>	<b>x</b>		<b>5</b>	<b>B</b>	<b>Nil</b>	<b>Nil</b>	<b>53</b>
					A- SANAS 5221 OR B - COLILERT		SANS 5221	COLILERT	SANS 5221

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	<b>MH</b>	<b>Machadodorp</b>			A / B		
<b>F 869</b>	<b>12/6/17</b>	<b>Emthonjeni Sewer Final</b>	<b>X</b>		<b>A</b>	<b>Nil</b>	<b>-</b>
				A- SANAS 5221 OR B - COLILERT	SANS 5221	COLILERT	SANS 5221

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			YES	NO	A / B				
F 870	3/6/17	Boven Waterworks Final	x		Nil	B	Nil	Nil	23
F 871	8/6/17	Boven Sewer Final	x		-	A	210	-	-
F 872	10/6/17	Stand P118	x		Nil	B	Nil	Nil	21
F 873	11/6/17	Khayalami Service Centre	x		1	B	Nil	Nil	67
F 874	13/6/17	Mississippi Restaurant	x		Nil	B	Nil	Nil	19
F 875	29/6/17	Boven Reservoir	x		Nil	B	Nil	Nil	25
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