

## 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: **27-Jun-17**Date Analyzed: **27-Jun-17**Date Reported: **29-Jun-17**Quantity Analyzed: **11**Ref No: **F 1478 - 1488 / 17 B**

LAB NO	BF	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	
			YES	NO	A / B				
F 1478	28/6/17	Belfast Old Reservoir	x		Nil	B	Nil	Nil	11
F 1479	29/6/17	Belfast New Reservoir	x		Nil	B	Nil	Nil	6
F 1480	27/6/17	Siyathuthuka Reservoir	x		Nil	B	Nil	Nil	7
F 1481	10/6/17	Siyathuthuka Clinic	x		Nil	B	Nil	Nil	15
F 1482	12/6/17	Stand 3423/3	x		Nil	B	Nil	Nil	9
F 1483	14/6/17	Bottom End Liquor Store	x		Nil	B	Nil	Nil	30
					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  
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F 1484	15/6/17	Silwer Dae Old Age Home	x		Nil	B	Nil	Nil	30
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					A / B				
F 1485	14/6/17	Emthonjeni Clinic	X		Nil	B	Nil	Nil	30
F 1486	16/6/17	Stand 1485	X		Nil	B	Nil	Nil	10
F 1487	17/6/17	Machado Clinic	X		Nil	B	Nil	Nil	11
F 1488	33/6/17	Emthonjeni Sewer Final	X		-	B	Nil	-	25
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