

**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:

**5-Sep-17**

Date Analyzed:

**5-Sep-17**

Date Reported:

**7-Sep-17**

Quantity Analyzed:

**10**Ref No: **I 195 - 204 / 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					
I 195	3/9/17	Belfast Waterworks Final Treated	x		Nil	B	Nil	Nil	13
I 196	10/9/17	Siyathuthuka Clinic	x		Nil	B	Nil	Nil	17
I 197	11/9/17	Leratong Creche'	x		Nil	B	Nil	Nil	10
I 198	12/9/17	Stand 3423/3	x		Nil	B	Nil	Nil	6
I 199	13/9/17	HA Grove Hospital	x		Nil	B	Nil	Nil	13
I 200	14/9/17	Bottom End Liquor Store	x		Nil	B	Nil	Nil	8
I 201	15/9/17	Belfast Old age Home	x		Nil	B	Nil	Nil	7
I 202	16/9/17	Siyathuthuka Reservoir	x		Nil	B	Nil	Nil	14
I 203	18/9/17	Belfast old Reservoir	x		Nil	B	Nil	Nil	13
I 204	20/9/17	Belfast New Reservoir	x		Nil	B	Nil	Nil	12
					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 fulfils 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