



**CERTIFICATE OF MICROBIOLOGICAL ANALYSIS  
 TEST REPORT**

Sample From:

**Nkangala District Municipality**  
**Municipal Health Services**  
**Emakhazeni Town Council**

Address: Posbus 437  
 Walter Sisulu  
 Middelburg  
 1050

Date Received:

10-Oct-17

Date Analyzed:

10-Oct-17

Date Reported:

12-Oct-17

Quantity Analyzed:

11

Ref No: J 380 - 390 / 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				
	<b>BF</b>	<b>BELFAST</b>							
J 380	'3/10/17	Belfast Waterworks Final Treated	X		Nil	B	Nil	Nil	13
J 381	8/10/17	Belfast Sewerworks Final Treated	X		-	B	>1000	-	-
J 382	10/10/17	Siyathuthuka Clinic	X		Nil	B	Nil	Nil	8
J 383	11/10/17	Leratong Creche'	X		Nil	B	Nil	Nil	2
J 384	12/10/17	Stand 3423/3	X		Nil	B	Nil	Nil	4
J 385	13/10/17	HA Grove Hospital	X		Nil	B	Nil	Nil	6
J 386	14/10/17	Bottom End liwuor Store	X		Nil	B	Nil	Nil	3
J 387	15/10/17	Belfast Old Age Home	X		Nil	B	Nil	Nil	4
J 388	16/10/17	Siyathuthuka Reservoir	X		Nil	B	Nil	Nil	3
J 389	18/10/17	Belfast Old Reservoir	X		Nil	B	Nil	Nil	2
J 390	20/10/17	Belfast New Reservoir	X		Nil	B	Nil	Nil	2
					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**