



CK. 89/14418/23

REGEN WATERS
 LABORATORY • LABORATORIUM

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**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:

11-Jan-18

Date Analyzed:

11-Jan-18

Date Reported:

13-Jan-18

Quantity Analyzed:

6

Ref No:

A / 542 - 547 / 17 B

LAB NO	BF	SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS				
					≤ 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
A 542	27/1/18	Siyathuthuka Reservoir	x		Nil	B	Nil	Nil	43
A 543	29/1/18	Belfast New Reservoir	x		Nil	B	Nil	Nil	30
A 544	30/1/18	Siyathuthuka Clinic	x		Nil	B	Nil	Nil	60
A 545	31/1/18	Leratang Creshe	x		4	B	Nil	Nil	24
A 546	32/1/18	Stand 3423/3	x		Nil	B	Nil	Nil	28
A 547	35/1/18	Belfast Old Age Home	x		6	B	Nil	Nil	66
					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 WATERRegional 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.) All of these samples fulfill the bacteriological criteria as specified by the SANS 241 Standard for human consumption.

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

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