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: **28-Aug-17**
Date Analyzed: **28-Aug-17**
Date Reported: **30-Aug-17**
Quantity Analyzed: **5** **Ref No:** **H 1583 - 1587 / 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			
H 1583	27/8/17	Siyathuthuka Reservoir	x		Nil	B	Nil	Nil	16
H 1584	30/8/17	Siyathuthuka Clinic	x		Nil	B	Nil	Nil	11
H 1585	31/8/17	Leratong Creche'	x		Nil	B	Nil	Nil	10
H 1586	32/8/17	Stand 342313	x		Nil	B	Nil	Nil	17
	RA								
H 1587	1/8/17	Sunbridge School Borehole	x		Nil	B	Nil	Nil	894
					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.

SANS 241-1 Edition 2 2015

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