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: 6-Sep-17
Date Analyzed: 6-Sep-17
Date Reported: 8-Sep-17
Quantity Analyzed: 10

Ref No: I 343 - 352 / 17 B

LAB NO		SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS ≤ 10 TOTAL COLIFORM BACTERIA PER / 100ML	A / B	Nil FAECAL COLIFORM PER / 100 ML	Nil ESCHERISCHIA COLIFORM PER 100 ML	≤ 1000 HETEROTROPHIC PLATE COUNT PER 1.0 ML
	MH	MACHADODORP	YES	NO					
I 343	3/9/17	Machado Waterworks Final Treated	x		Nil	B	Nil	Nil	21
I 344	8/9/17	Emthonjeni Sewer Final	x		-	B	Nil	-	-
I 345	14/9/17	Emthonjeni Clinic	x		Nil	B	Nil	Nil	25
I 346	15/9/17	TPA Offices	x		Nil	B	Nil	Nil	28
I 347	16/9/17	Stand 1485	x		Nil	B	Nil	Nil	35
I 348	17/9/17	Machado Clinic	x		Nil	B	Nil	Nil	24
I 349	18/9/17	Highway Nissan	x		Nil	B	Nil	Nil	46
I 350	19/9/17	Speelgoed Creche'	x		Nil	B	Nil	Nil	38
I 351	20/9/17	Cement Reservoir	x		Nil	B	Nil	Nil	43
I 352	22/9/17	Steeltank	x		Nil	B	Nil	Nil	38
					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 fulfils the bacteriological criteria as specified by SANS 241Standard for Human Consumption.

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