



CK: 85/1441852
REGEN WATERS
 LABORATORY - LABORATORIUM

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**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: **23-Aug-17**
 Date Analyzed: **23-Aug-17**
 Date Reported: **25-Aug-17**
 Quantity Analyzed: **21**

Ref No: **H 1363 - 1383 / 17 B**

LAB NO	MH	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				
H 1372	47/8/17	Machado Waterworks Final	x		Nil	B	Nil	Nil	11
H 1373	48/8/17	Cement Reservoir	x		Nil	B	Nil	Nil	18
H 1374	49/8/17	Steeltank	x		Nil	B	Nil	Nil	19
H 1375	50/8/17	Emthonjeni Clinic	x		Nil	B	Nil	Nil	14
H 1376	51/8/17	TPA Offices	x		Nil	B	Nil	Nil	20
H 1377	52/8/17	Stand 1485	x		Nil	B	Nil	Nil	13
H 1378	53/8/17	Machado Clinic	x		Nil	B	Nil	Nil	11
H 1379	54/8/17	Highway Nissan Garage	x		Nil	B	Nil	Nil	19
H 1380	55/8/17	Speelgoedland Creche'	x		Nil	B	Nil	Nil	7
H 1381	39/8/17	Emthonjeni Sewer Final	x		-	B	30	-	-
H 1382	35/8/17	Leeuwspruit Before Sewer Works	x		173	B	120	109	210
H 1383	37/8/17	Leeuwspruit After Sewer Works	x		>2420	B	490	435	1624
					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:

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

Technical Signatory

SANS
241-1
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