



CK. 89/14418/23
REGEN WATERS
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**MICROBIOLOGICAL ANALYSIS
 TEST REPORT**

Sample From:

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

**Address: Posbus 437
 Walter Sisulu
 Middelburg
 1050**

Date Received:

13-Feb-18

Date Analyzed:

13-Feb-18

Date Reported:

15-Feb-18

Quantity Analyzed:

12

Ref No: B 692 - 703 / 18 B

LAB REF ID	LAB NO	SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS			
					≤ 10 TOTAL COLIFORM BACTERIA PER / 100ML	Nil FAECAL COLIFORM PER / 100 ML	Nil ESCHERISCHIA COLIFORM PER 100 ML	≤ 1000 HETEROTROPHIC PLATE COUNT PER 1.0 ML
		MACHADODORP	YES	NO		A / B		
D	B 692	MH3/2/18: Machado Waterworks Final	X		Nil	B	Nil	18
	B 693	MH5/2/18: Leeuwspruit Before Sewer	X		>2420	B	150	2900
	B 694	MH7/2/18: Leeuwspruit After Sewer	X		>2420	B	480	2597
S	B 695	MH12/2/18: Emthonjeni Sewer Final	X		-	A	Nil	-
D	B 696	MH14/2/18: Emthonjeni Clinic	X		Nil	B	Nil	20
D	B 697	MH15/2/18: TPA Offices	X		Nil	B	Nil	883
D	B 698	MH16/2/18: Stand 1485	X		Nil	B	Nil	40
D	B 699	MH17/2/18: Machado Clinic	X		Nil	B	Nil	21
D	B 700	MH18/2/18: Highway Nissan Garage	X		Nil	B	Nil	139
D	B 701	MH19/2/18: Speelgoed Creche'	X		Nil	B	Nil	22
D	B 702	MH20/2/18: Cement Reservoir	X		Nil	B	Nil	97
D	B 703	MH22/2/18: Steeltank	X		Nil	B	Nil	129
METHOD USED					A - SANAS 5221 OR B - COLLERT		SANS 5221 COLLERT	SANS 5221

S.A.N.S. 241-1:2015 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.) Samples MH3/2/18: Machado Waterworks Final, MH14/2/18: Emthonjeni Clinic, MH15/2/18: TPA Offices, MH16/2/18: Stand 1485, MH17/2/18: Machado Clinic, MH18/2/18: Highway Nissan Garage, MH19/2/18: Speelgoed Creche' complies with the SANS 241:2015 microbiological drinking water standard for the tested parameters. The water is bacteriologically suitable for domestic use.

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

SANS
241-1
Edition 2
2015