



(PTY) LTD 2018/379064/07
REGEN WATERS
 LABORATORY • LABORATORIUM

4 Woltemade Street
 P.O. Box 8328
 WITBANK 1035
 Tel.: 013-690-1487
 Fax: 013-656-5050
 E-mail: regenlab@mweb.co.za

MICROBIOLOGICAL ANALYSIS TEST REPORT

Sample From: Nkangala District Municipality Municipal Health Services
 Emakhazeni Town Council

Address: Posbus 437

Walter Sisulu

Middelburg
 1050

Attention: Marianne Joubert

Solly Links

E-Mail : marianne.joubert2011@gmail.com

Ref No: C 1145 - 1152 / 19 B

Date Received: 25 March 2019

Date Analyzed: 25 March 2019

Date Reported: 27 March 2019

Quantity Analyzed: 8

LAB REF ID	LAB NUMBER	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	
		MACHADODORP	YES	NO		A / B			
D	C 1145	NMH14/3/19: Emthonjeni Clinic	x		Nil	B	Nil	Nil	9
D	C 1146	NMH15/3/19: Emtonjeni Library	x		Nil	B	Nil	Nil	10
D	C 1147	NMH16/3/19: Emakazeni Housing Units			Nil	B	Nil	Nil	5
D	C 1148	NMH17/3/19: Machado Clinic			Nil	B	Nil	Nil	7
D	C 1149	NMH18/3/19: Highway Nissan Garage	x		Nil	B	Nil	Nil	4
D	C 1150	NMH19/3/19: Machado Police Station	x		Nil	B	Nil	Nil	9
D	C 1151	NMH20/3/19: Cement Reservoir	x		Nil	B	Nil	Nil	4
D	C 1152	NMH22/3/19: Steeltank	x		6	B	Nil	Nil	12
METHOD USED					A- SANAS 5221 (CFU) OR B - COLILERT (MPN)		SANS 5221 (CFU)	COLILERT (MPN)	SANS 5221 (CFU)
					REGEN WATERS METHOD: MLPM 4A AND 4B.				

S.A.N.S. 241:2015 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.

**SANS 241
 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.) Samples NMH14/3/19: Emthonjeni Clinic, NMH15/3/19: Emtonjeni Library, NMH16/3/19: Emakazeni Housing Units, NMH17/3/19: Machado Clinic, NMH18/3/19: Highway Nissan Garage, NMH19/3/19: Machado Police Station, NMH20/3/19: Cement Reservoir, NMH22/3/19: Steeltank complies with the SANS 241:2015 microbiological drinking water standard for the tested parameters. These water samples are bacteriologically suitable for domestic use.

P.L.G UYS / A.KOHRHS
 Technical Signatory