



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: **29-Aug-18**
 Date Analyzed: **29-Aug-18**
 Date Reported: **31-Aug-18**
 Quantity Analyzed: **3**

Ref No: **H 1206 - 1208 / 18 B**

LAB REF ID	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	
		MACHADODORP	YES	NO		A / B			
D	H 1206	MH23/8/18: Machado Waterworks Finalo	X		Nil	B	Nil	Nil	27
D	H 1207	MH24/8/18: Cement Reservoir	X		Nil	B	Nil	Nil	17
D	H 1208	MH25/8/18: Steeltank	X		Nil	B	Nil	Nil	19
METHOD USED					A- SANAS 5221 OR B - COLILERT (MPN)		SANS 5221	COLILERT (MPN)	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 species : 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 MH23/8/18: Machado Waterworks Finalo, MH24/8/18: Cement Reservoir, MH25/8/18: Steeltank 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