

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: **8-Aug-17**
Date Analyzed: **8-Aug-17**
Date Reported: **10-Aug-17**
Quantity Analyzed: **21**

Ref No: **H 388 - 408 / 17 B**

LAB NO	MH	SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS				
					≤ 10		Nil	Nil	≤ 1000
					TOTAL COLIFORM BACTERIA PER / 100ML	A / B	FAECAL COLIFORM PER / 100 ML	ESCHERISCHIA COLIFORM PER 100 ML	HETEROTROPHIC PLATE COUNT PER 1.0 ML
			YES	NO					
		MACHADODORP							
H 388	14/8/17	Emthonjeni Clinic Tap	x		Nil	B	Nil	Nil	19
H 389	15/8/17	TPA Offices	x		Nil	B	Nil	Nil	20
H 390	16/8/17	Stand 1485 Tap	x		Nil	B	Nil	Nil	11
H 391	17/8/17	Machado Clinic Tap	x		Nil	B	Nil	Nil	17
H 392	18/8/17	Nissan Highway	x		Nil	B	Nil	Nil	10
H 393	19/8/17	Speelgoed Creche Tap	x		Nil	B	Nil	Nil	18
H 394	20/8/17	Cement Reservoir	x		Nil	B	Nil	Nil	13
H 395	22/8/17	Steeltank	x		Nil	B	Nil	Nil	17
					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 WATERRegional 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.) These samples fulfill the bacteriological criteria as specified by SANS 241 Standard for Human Consumption.



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

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241-1
Edition 2
2015

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			YES	NO	A / B				
H 396	23/8/17	Leeuwspruit River Before Sewage	X		344	B	215	125	389
H 397	25/8/17	Leeuwspruit After Sewage	X		1203	B	310	210	1273
H 398	27/8/17	Sewer Outlet	X		-	B	20	-	-
					A- SANAS 5221 OR B - COLILERT		SANS 5221	COLILERT	SANS 5221

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			YES	NO	A / B				
H 399	3/8/17	Dullstroom Waterworks Final Treated	x		Nil	B	Nil	Nil	16
H 400	8/8/17	Dullstroom Sewage Works Final Treated	x		-	B	50	-	-
H 401	10/8/17	Sakhelwe Clinic	x		Nil	B	Nil	Nil	11
H 402	11/8/17	Cosmo General Dealer	x		Nil	B	Nil	Nil	7
H 403	12/8/17	Sakhelwe Community Creche'	x		Nil	B	Nil	Nil	10
H 404	13/8/17	La Bamba Centre	x		Nil	B	Nil	Nil	1
H 405	14/8/17	Municipal Office	x		Nil	B	Nil	Nil	20
H 406	15/8/17	SA Epilepsy Centre	x		Nil	B	Nil	Nil	10
H 407	16/8/17	Sakhelwe Reservoir	x		Nil	B	Nil	Nil	14
H 408	18/8/17	Dullstroom Reservoir	x		Nil	B	Nil	Nil	17
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