

CERTIFICATE OF MICROBIOLOGICAL ANALYSIS TEST REPORT

Sample From:

Nkangala District Municipality
Municipal Health Services
Emakhazeni Town Council

Address: Posbus 437

Walter Sisulu
Middelburg
1050

Date Received:

3-Aug-17

Date Analyzed:

3-Aug-17

Date Reported:

5-Aug-17

Quantity Analyzed:

22

Ref No:

H 165 - 186 / 17 B

LAB NO	BF	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 165	3/8/17	Belfast Waterworks Final	x		1	B	Nil	Nil	27
H 166	10/8/17	Siyathuthuka Clinic	x		Nil	B	Nil	Nil	4
H 167	11/8/17	Leratong Creche'	x		Nil	B	Nil	Nil	2
H 168	12/8/17	Stand 3423/3	x		Nil	B	Nil	Nil	3
H 169	13/8/17	HA Grove Hospital	x		Nil	B	Nil	Nil	9
H 170	14/8/17	Bottom End Liquor Store	x		Nil	B	Nil	Nil	5
H 171	15/8/17	Belfast Old Age Home	x		Nil	B	Nil	Nil	1
H 172	16/8/17	Siyathutuka Reservoir	x		Nil	B	Nil	Nil	6
H 173	18/8/17	Belfast Old Reservoir	x		Nil	B	Nil	Nil	7
H 174	20/8/17	Belfast New Reservoir	x		Nil	B	Nil	Nil	9
					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:

a.) These samples fulfill the bacteriological criteria as specified by SANAS 241 Standard for Human Consumption.



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

Technical Signatory

SANS
241-1
Edition 2
2015

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	MH				A / B		
H 175	12/8/17	Emthonjeni Sewer Final	X		B	15	-
				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

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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.

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			YES	NO	A / B				
H 176	3/8/17	Waterval Boven Waterworks Final	x		Nil	B	Nil	Nil	13
H 177	8/8/17	Waterval Boven sewerage Final	x		-	B	>1000	-	-
H 178	10/8/17	Stand P118 (602)	x		Nil	B	Nil	Nil	11
H 179	11/8/17	Khayalami Service Centre	x		Nil	B	Nil	Nil	8
H 180	12/8/17	Vulindcondo Stimulation Centre	x		Nil	B	Nil	Nil	22
H 181	13/8/17	Mississippi Resturant	x		Nil	B	Nil	Nil	3
H 182	14/8/17	Technical Workshop	x		Nil	B	Nil	Nil	19
H 183	15/8/17	Silverdays Old Age Home	x		Nil	B	Nil	Nil	4
H 184	16/8/17	Boven Reservoir	x		Nil	B	Nil	Nil	2
H 185	18/8/17	Elandsriver Before Sewer	x		1300	B	90	82	185
H 186	20/8/17	Elandsriver After Sewer	x		>2420	B	1700	1553	693
					A - SANAS 5221 OR B - COLILERT		SANS 5221	COLILERT	SANS 5221

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REMARKS:

- a.) These potable samples fulfill the bacteriological criteria as specified by SANS 241 Standard for Human Consumption.



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