



**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:

18-Oct-17

Date Analyzed:

18-Oct-17

Date Reported:

20-Oct-17

Quantity Analyzed:

24

Ref No: J 1064 - 1087 / 17 B

LAB NO	DS	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				
J 1064	3/10/17	Dullstroom Waterworks Final	X		Nil	B	Nil	Nil	3
J 1065	8/10/17	Dullstroom Sewerworks Final	X		-	A	Nil	-	-
J 1066	10/10/17	Sakhelwe Clinic	X		Nil	B	Nil	Nil	39
J 1067	11/10/17	Cosmo General Dealer	X		1	B	Nil	Nil	11
J 1068	12/10/17	Sakhelwe Creche'	X		Nil	B	Nil	Nil	10
J 1069	13/10/17	La Bamba Centre	X		2	B	Nil	Nil	43
J 1070	14/10/17	Municipal Office	X		2	B	Nil	Nil	16
J 1071	15/10/17	SA Epilepsy Centre	X		Nil	B	Nil	Nil	7
J 1072	16/10/17	Sakhelwe Reservoir	X		Nil	B	Nil	Nil	3
J 1073	18/10/17	Dullstroom Reservoir	X		130	B	Nil	Nil	70
					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.) The sample DULLSTROOM RESERVOIR contains high levels of Total Coliform Bacteria. These bacteria are not pathogenic (disease forming) in nature, however it is advisable to Chlorinate this water to achieve complete disinfection.

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

Technical Signatory

SANS
241-1
Edition 2
2015



CK. 89/14418/23
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J 1074	3/10/17	Watervalboven Waterworks Final	X		Nil	B	Nil	Nil	3
J 1075	8/10/17	Wateralboven Sewerworks Final	X		-	A	>1000	-	-
J 1076	10/10/17	Stand P 118	X		Nil	B	Nil	Nil	5
J 1077	11/10/17	Khayalami Service Centre	X		Nil	B	Nil	Nil	9
J 1078	12/10/17	Vulindcondo Stimulation Centre	X		Nil	B	Nil	Nil	288
J 1079	13/10/17	Mississippi Restaurant	X		Nil	B	Nil	Nil	6
J 1080	14/10/17	Technical Workshop	X		Nil	B	Nil	Nil	7
J 1081	15/10/17	Silwerdays Ols Age Home	X		Nil	B	Nil	Nil	295
J 1082	16/10/17	Boven Reservoir	X		Nil	B	Nil	Nil	14
J 1083	18/10/17	Elandrivier Before Sewer	X		>2420	B	610	488	2238
J 1084	20/10/17	Elandriver After Sewer	X		>2420	B	1010	866	2030
					A - SANAS 5221 OR B - COLILERT		SANS 5221	COLILERT	SANS 5221

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			YES	NO	A / B				
J 1085	42/10/17	Emthonjeni Sewer Final	X		-	A	>1000	-	-
J 1086	38/10/17	Leeuwspruit Before Sewer	X		1120	B	150	115	1120
J 1087	40/10/17	Leeuwspruit Adter Sewer	X		>2420	B	450	326	1784
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