


**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:

25-Oct-17

Date Analyzed:

25-Oct-17

Date Reported:

27-Oct-17

Quantity Analyzed:

39

Ref No: J 1437 - 1475 / 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				
J 1437	27/10/17	Belfast Waterworks Final	X		Nil	B	Nil	Nil	12
J 1438	28/10/17	Siyathuthuka Reservoir	X		10	A	Nil	Nil	365
J 1439	29/10/17	Belfast Old Reservoir	X		Nil	B	Nil	Nil	24
J 1440	30/10/17	Belfast New Reservoir	X		Nil	B	Nil	Nil	50
J 1441	31/10/17	Siyathuthuka Clinic	X		Nil	B	Nil	Nil	93
J 1442	32/10/17	Laratong Creche'	X		1	B	Nil	Nil	109
J 1443	33/10/37	Stand 3423/3	X		1	B	Nil	Nil	64
J 1444	34/10/17	HA Grove Hospital	X		8	B	2	2	145
J 1445	35/10/17	Bottom End Liquor Store	X		14	B	Nil	Nil	78
J 1446	36/10/17	Belfast Old Age Home	X		9	B	5	5	210
					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.

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REMARKS:

- a.) The sample **BOTTOM END LIQUOR STORE** 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.
- b.) The sample **BELFAST OLD AGE HOME** contains all types of bacteria. These bacteria are pathogenic (disease forming) in nature. **DO NOT** use this water for Human Consumption.

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

Technical Signatory

SANS
 241-1
 Edition 2
 2015



CK. 89/14418/23
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 LABORATORY • LABORATORIUM

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J 1447	20/10/17	Dullstroom Waterworks Final	X		2	B	Nil	Nil	204
J 1448	21/10/17	Sakhelwe Reservoir	X		Nil	A	Nil	Nil	180
J 1449	22/10/17	Dullstroom Reservoir	X		Nil	B	Nil	Nil	32
J 1450	23/10/17	Sakhelwe Clinic	X		Nil	B	Nil	Nil	46
J 1451	24/10/17	Cosmo General Dealer	X		Nil	B	Nil	Nil	51
J 1452	25/10/17	Sakhelwe Creche'	X		Nil	B	Nil	Nil	59
J 1453	26/10/17	La Bamba Centre	X		Nil	B	Nil	Nil	310
J 1454	27/10/17	Municipal Offices	X		1	B	Nil	Nil	189
J 1455	28/10/17	SA Epilepsy Centre	X		Nil	B	Nil	Nil	327
					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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Walter Sisulu

Emakhazeni Town Council

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					≤ 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
J 1456	22/10/17	Watervalboven Waterworks Final	x		Nil	B	Nil	Nil	39
J 1457	23/10/17	Watervalboven Reservoir	x		Nil	B	Nil	Nil	45
J 1458	24/10/17	Stand P119 (602)	x		Nil	B	Nil	Nil	23
J 1459	25/10/17	Khayalami Service Centre	x		Nil	B	Nil	Nil	101
J 1460	26/10/17	Vulindcondo Stimulation Centre	x		Nil	B	Nil	Nil	19
J 1461	27/10/17	Mississippi Restaurant	x		Nil	B	Nil	Nil	64
J 1462	28/10/17	Silwerdays Old Age Home	x		Nil	B	Nil	Nil	61
J 1463	29/10/17	Technical Workshop	x		Nil	B	Nil	Nil	40
					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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					TOTAL COLIFORM BACTERIA PER / 100ML	A / B	FAECAL COLIFORM PER / 100 ML	ESCHERISCHIA COLIFORM PER 100 ML	HETEROTROPHIC PLATE COUNT PER 1.0 ML
J 1464	23/10/17	Machado Waterworks Final	X		Nil	B	Nil	Nil	59
J 1465	24/10/17	Cement Reservoir	X		1	B	Nil	Nil	388
J 1466	25/10/17	Steeltank	X		Nil	B	Nil	Nil	31
J 1467	26/10/17	Emthonjeni Clinic	X		Nil	B	Nil	Nil	19
J 1468	27/10/17	TPA Offices	X		Nil	B	Nil	Nil	43
J 1469	28/10/17	Stand 1485	X		Nil	B	Nil	Nil	45
J 1470	29/10/17	Machado Clinic	X		Nil	B	Nil	Nil	28
J 1471	30/10/17	Highway Nissan Garage	X		Nil	B	Nil	Nil	62
J 1472	31/10/17	Speelgoed Creche'	X		Nil	B	Nil	Nil	30
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	MH	MACHADODORP								
J 1473	J 1473			X		>2420	B	550	345	1120
J 1474	J 1474			X		>2420	B	TNTC	2420	1790
J 1475	J 1475			X		-	B	>1000	-	-
				A- SANAS 5221 OR B - COLILERT		SANS 5221	COLILERT	SANS 5221		

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