



### 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: **26-Sep-17**  
 Date Analyzed: **26-Sep-17**  
 Date Reported: **28-Sep-17**  
 Quantity Analyzed: **22**

Ref No: **I 1635 - 1664 / 17 B**

LAB NO	DS	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
		<b>DULLSTROOM</b>	YES	NO					
I 1635	9/9/17 29/9/17	Dullstroom Sewerworks Final	x		-	B	Nil	-	-
I 1636	20/9/17	Dullstroom Waterworks Final	x		Nil	B	Nil	Nil	4
I 1637	21/9/17	Sakhelwe Reservoir	x		Nil	B	Nil	Nil	5
I 1638	22/9/17	Dullstroom Reservoir	x		Nil	B	Nil	Nil	4
I 1639	23/9/17	Sakhelwe Clinic	x		Nil	B	Nil	Nil	7
I 1640	24/9/17	Cosmo General Dealer	x		Nil	B	Nil	Nil	11
I 1641	25/9/17	Sakhelwe Creche'	x		Nil	B	Nil	Nil	6
I 1642	26/9/17	La Bamba Centre	x		Nil	B	Nil	Nil	7
I 1643	27/9/17	Municipal Offices	x		Nil	B	Nil	Nil	9
I 1644	28/9/17	SA Epilepsy Centre	x		Nil	B	Nil	Nil	7
					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 SANS 241 Standard 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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			YES	NO	A / B				
I 1653	34/9/17	Leeuwspruit Before Sewer	x		>2420	B	450	365	1271
I 1654	35/9/17	Leeuwspruit After Sewer	x		>2420	B	850	613	1726
I 1655	23/9/17	Machado Waterworks Final	x		Nil	B	Nil	Nil	10
I 1656	24/9/17	Cement Reservoir	x		Nil	B	Nil	Nil	9
I 1657	25/9/17	Steeltank	x		Nil	B	Nil	Nil	7
I 1658	26/9/17	Emthonjeni Clinic	x		Nil	B	Nil	Nil	3
I 1659	27/9/17	TPA Offices	x		Nil	B	Nil	Nil	14
I 1660	28/9/17	Stand 1485	x		Nil	B	Nil	Nil	2
I 1661	29/9/17	Machado Clinic			Nil	B	Nil	Nil	6
I 1662	30/9/17	Highway Nissan Garage			Nil	B	Nil	Nil	7
I 1663	31/9/17	Speelgoedland Creche'	x		Nil	B	Nil	Nil	5
I 1664	33/9/17	Emthonjeni Sewerworks Final	x		-	B	>1000	-	-
					A- SANAS 5221 OR B - COLILERT		SANS 5221	COLILERT	SANS 5221

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