

## MICROBIOLOGICAL ANALYSIS TEST REPORT

**Sample From:** Steve Tshwete **Address:** P.O. Box 14  
MIDDELBURG  
1050

**Date Received:** 13-Sep-11

**Date Analyzed:** 13-Sep-11

**Date Reported:** 15-Sep-11

**Quantity Analyzed:** 31

STERILIZED BOTTLE		SAMPLE NAME	TOTAL COLIFORM BACTERIA PER / 100ML	FAECAL COLIFORM PER / 100 ML	ESCHERISCHIA COLIFORM PER 100 ML	HETEROTROPHIC PLATE COUNT PER 1.0 ML
YES	NO					
x		Aerorand	Nil	Nil	-	15
x		Dennesig	Nil	Nil	-	356
		Eastdene	Nil	Nil	-	93
x		Ext 4	Nil	Nil	-	13
x		Graspan Reservoir	Nil	Nil	-	115
x		Groenkol	Nil	Nil	-	97
x		Hendrina Water Works	Nil	Nil	-	18
x		Komati Pay Point	Nil	Nil	-	5
x		Kwazamokhule Clinic	Nil	Nil	-	10
x		Mkhuze	Nil	Nil	-	153
x		Nasaret Reservoir	Nil	Nil	-	10
METHOD USED			SANAS 5221 OR COLILERT	SANS 5221	COLILERT	SANS 5221

### S.A.N.S. 241 MICROBIOLOGICAL REQUIREMENTS Allowable compliance for DRINKING WATER

Determinant	Units	Allowable compliance
Escherichia Coliform / or Faecal Coliform bacteria	Count per 100 ml	NIL

### Operational water Quality ALERT levels:

Determinant	Units	Alert level
Heterotrophic Plate Count	Count per 1 ml	5000
Total Coliform Bacteria	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.

REMARKS:

SANS  
241  
Edition 6.1  
2006



P.L.G. JYS  
MANAGER

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YES	NO					
x		Nasaret	Nil	Nil	-	534
x		Newtown	Nil	Nil	-	13
x		Pullenshope Clinic	Nil	Nil	-	6
x		Rietkuil Cosmos Gen Dealer	Nil	Nil	-	15
x		Service Centre	Nil	Nil	-	74
x		Tosca	Nil	Nil	-	81
METHOD USED			SANAS 5221 OR COLILERT	SANS 5221	COLILERT	SANS 5221

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YES	NO					
x		Bankfontein	Nil	-	Nil	254
x		Doornkop 1	1	-	Nil	134
x		Doornkop 2	Nil	-	Nil	10
x		Hendrina WTP Potable Final	Nil	-	Nil	10
x		Krugerdan WTP	Nil	-	Nil	29
x		Mafube	Nil	-	Nil	18
x		Presidentrus WTP	Nil	-	Nil	34
x		Vaalbank WTP	36	-	Nil	25
METHOD USED			SANAS 5221 OR COLLERT	SANS 5221	COLILERT	SANS 5221

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#### EFFLUENT WATER

Regional Standard (Department Water Affairs and Forestry) of 25 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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