

## 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:** **15-Feb-17**  
**Date Analyzed:** **15-Feb-17**  
**Date Reported:** **17-Feb-17**  
**Quantity Analyzed:** **4** **Ref No:** **B 609 - 613 / 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		
B609	14/2/17	Municipal Offices	X		Nil	B	Nil	Nil	806
B610	13/2/17	La Bomba Centre	X		Nil	B	Nil	Nil	850
B611	11//12/17	Cosmo General Dealer	X		130	B	Nil	Nil	129
					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 COSMO GENERAL DEALER 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

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<b>B 612</b>	<b>14/2/17</b>	<b>Bottom End Liquor Store</b>	<b>x</b>		<b>Nil</b>	<b>B</b>	<b>Nil</b>	<b>Nil</b>	<b>160</b>
					A- SANAS 5221 OR B - COLILERT	SANS 5221	COLILERT	SANS 5221	

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REMARKS:

- a.) The sample above fulfils the bacteriological criteria as specified by SANS 241 Standard for Human Consumption.



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