



REGEN WATERS

LABORATORY • LABORATORIUM

4 Woltemade Street
P.O. Box 8328
EMALAHLENI 1035

Tel.: 013-690-1487
Fax: 013-656-5050

Web: www.regenwaters.com

CK. 89/14418/23

E-mail: regenlab@mweb.co.za

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: **8-Feb-17**

Date Analyzed: **8-Feb-17**

Date Reported: **10-Feb-17**

Quantity Analyzed: **7**

Ref No: **B / 263 - 269 / 17 B**

LAB NO		SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS				
			YES	NO	≤ 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
	BF	BELFAST							
B 263	13/2/17	HA Grove Hospital	X		56	B	Nil	Nil	179
B 264	15/2/17	Belfast Old Age Home	X		74	B	Nil	Nil	709
B 265	O-17	Siyathuthuka Clinic	X		Nil	B	Nil	Nil	18
					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 samples labeled HA Grove Hospital and Belfast Old Age Home contain excess levels of Total Coliform bacteria. These bacteria are not pathogenic (disease forming) in nature, however it is advisable to Chlorinate this water for complete disinfection.**

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

Technical Signatory

SANS
241-1
Edition 2
2015



REGEN WATERS

LABORATORY • LABORATORIUM

CK. 89/14418/23

 4 Woltemade Street
 P.O. Box 8328
 EMALAHLENI 1035

 Tel.: 013-690-1487
 Fax: 013-656-5050

E-mail: regenlab@mweb.co.za

Web: www.regenwaters.com

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: **8-Feb-17**Date Analyzed: **8-Feb-17**Date Reported: **10-Feb-17**Quantity Analyzed: **7**Ref No: **B / 263 - 269 / 17 B**

LAB NO	SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS				
		YES	NO	≤ 10 TOTAL COLIFORM BACTERIA PER / 100ML	Nil FAECAL COLIFORM PER / 100 ML	Nil ESCHERISCHIA COLIFORM PER 100 ML	≤ 1000 HETEROTROPHIC PLATE COUNT PER 1.0 ML	
	MH	MACHADODORP			A / B			
B 266	15/2/17	Machado Clinic	X		B	Nil	Nil	40
B 267	15/2/17	TPA Offices	X		B	Nil	Nil	60
				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.) Both samples above fulfill the bacteriological criteria as specified by the SANS 241 Standard for human consumption.

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

Technical Signatory

SANS
241-1
Edition 2
2015



REGEN WATERS

LABORATORY • LABORATORIUM

CK. 89/14418/23

 4 Woltemade Street
 P.O. Box 8328
 EMALAHLENI 1035

 Tel.: 013-690-1487
 Fax: 013-656-5050

E-mail: regenlab@mweb.co.za

Web: www.regenwaters.com

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: **8-Feb-17**Date Analyzed: **8-Feb-17**Date Reported: **10-Feb-17**Quantity Analyzed: **7**Ref No: **B / 263 - 269 / 17 B**

LAB NO	WB	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
					A / B			
B 268	10/2/17	P118	X		Nil	B	Nil	14
B 269	13/2/17	Mississippi Restaurant	X		Nil	B	Nil	33
					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.) Both samples above fulfill the bacteriological criteria as specified by the SANS 241 Standard for human consumption.

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

Technical Signatory

SANS
241-1
Edition 2
2015