



CK. 89/14418/23
REGEN WATERS
 LABORATORY • LABORATORIUM

4 Woltemade Street
 P.O. Box 8328
 WITBANK 1035
 Tel.: 013-690-1487
 Fax: 013-656-5050
 E-mail: regenlab@mweb.co.za

**MICROBIOLOGICAL ANALYSIS
 TEST REPORT**

Sample From:

**Nkangala District Municipality
 Municipal Health Services
 Emakhazeni Town Council**

**Address: Posbus 437
 Walter Sisulu
 Middelburg
 1050**

Date Received:

15-Feb-18

Date Analyzed:

15-Feb-18

Date Reported:

17-Feb-18

Quantity Analyzed:

9

Ref No: B 1041 - 1049 / 18 B

LAB REF ID	LAB NO	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	
		DULLSTROOM	YES	NO		A / B			
D	B 1041	DS3/2/18: Dullstroom Waterworks Final	X		Nil	B	Nil	Nil	25
D	B 1042	DS10/2/18: Sakhelwe Clinic	X		Nil	B	Nil	Nil	43
D	B 1043	DS11/2/18: Cosmo General Dealer	X		Nil	B	Nil	Nil	49
D	B 1044	DS12/2/18: Sakhelwe Community Creche'	X		Nil	A	Nil	Nil	52
D	B 1045	DS13/2/18: La Bamba Centre	X		2	B	Nil	Nil	40
D	B 1046	DS14/2/18: Municipal Offices	X		1	B	Nil	Nil	29
D	B 1047	DS15/2/18: SA Epilepsy Centre	X		Nil	B	Nil	Nil	32
D	B 1048	DS16/2/18: Sakhelwe Reservoir	X		Nil	B	Nil	Nil	28
D	B 1049	DS18/2/18: Dullstroom Reservoir	X		Nil	B	Nil	Nil	27
METHOD USED					A- SANAS 5221 OR B - COLILERT		SANS 5221	COLILERT	SANS 5221

S.A.N.S. 241-1:2015 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.) Samples DS3/2/18: Dullstroom Waterworks Final, DS10/2/18: Sakhelwe Clinic, DS11/2/18: Cosmo General Dealer, DS12/2/18: Sakhelwe Community Creche', DS13/2/18: La Bamba Centre, DS14/2/18: Municipal Offices, DS15/2/18: SA Epilepsy Centre, DS16/2/18: Sakhelwe Reservoir, DS18/2/18: Dullstroom Reservoir complies with the SANS 241:2015 microbiological drinking water standard for the tested parameters. The water is bacteriologically suitable for domestic use.

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

SANS
241-1
Edition 2
2015