



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

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**MICROBIOLOGICAL ANALYSIS
 TEST REPORT**

Sample From:

Emakhazeni Town Council

Address: **P O Box 17
 Belfast
 1100**

Date Received: **31-May-18**

Date Analyzed: **31-May-18**

Date Reported: **2-Jun-18**

Quantity Analyzed: **19**

Ref No: **E 1411 - 1429 / 18 B**

LAB REF ID	LAB NO	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
		MACHADODORP	YES	NO					
D	E 1411	MH04/05/18: Machado Waterworks Final	x		Nil	B	Nil	Nil	8
S	E 1412	MH12/5/18: Emthonjeni Sewer Final	x		-	B	30	-	-
D	E 1413	MH14/5/18: Emthonjeni Clinic	x		Nil	B	Nil	Nil	7
D	E 1414	MH15/5/18: TPA Offices	x		Nil	B	Nil	Nil	11
D	E 1415	MH16/5/18: Stand 1485	x		Nil	B	Nil	Nil	10
D	E 1416	MH17/5/18: Machado Clinic	x		Nil	B	Nil	Nil	10
D	E 1417	MH18/5/18: Highway Nissan Garage	x		Nil	B	Nil	Nil	8
D	E 1418	MH19/5/18: Speelgoed Creche'	x		Nil	B	Nil	Nil	7
D	E 1419	MH20/5/18: Cement Reservoir	x		Nil	B	Nil	Nil	6
D	E 1420	MH22/5/18: Steeltank	x		Nil	B	Nil	Nil	16
METHOD USED					A- SANAS 5221 OR B- COLILERT (MPN)	SANS 5221	COLILERT (MPN)	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 species: 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 MH04/05/18: Machado Waterworks Final, MH14/5/18: Emthonjeni Clinic, MH15/5/18: TPA Offices, MH16/5/18: Stand 1485, MH17/5/18: Machado Clinic, MH18/5/18: Highway Nissan Garage, MH19/5/18: Speelgoed Creche', MH20/5/18: Cement Reservoir, MH22/5/18: Steeltank 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



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		WATERVALBOVEN	YES	NO	A / B				
D	E 1421	WB10/5/18: Stand P118 (602)	X		Nil	B	Nil	Nil	4
D	E 1422	WB11/5/18: Khayalami Service Centre	X		Nil	B	Nil	Nil	7
D	E 1423	WB12/5/18: Vulingcondo Stimulation Centre	X		Nil	B	Nil	Nil	3
D	E 1424	WB13/5/18: Mississippi Restaurant	X		Nil	B	Nil	Nil	4
D	E 1425	WB14/5/18: Technical Workshop	X		Nil	B	Nil	Nil	9
D	E 1426	WB15/5/18: Silverdays Old Age Home	X		Nil	B	Nil	Nil	6
D	E 1427	WB16/5/18: Watervalboven Reservoir	X		Nil	B	Nil	Nil	11
D	E 1428	WB03/5/18: Waterworks Outlet Final	X		Nil	B	Nil	Nil	12
S	E 1429	WB08/05/18: Sewage Works Outlet Final	X		-	B	>1000	-	-
METHOD USED					A- SANAS 5221 OR B- COLILERT (MPN)		SANS 5221	COLILERT (MPN)	SANS 5221

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REMARKS:

- a.) Samples WB10/5/18: Stand P118 (602), WB11/5/18: Khayalami Service Centre, WB12/5/18: Vulingcondo Stimulation Centre, WB13/5/18: Mississippi Restaurant, WB14/5/18: Technical Workshop, WB15/5/18: Silverdays Old Age Home , WB16/5/18: Watervalboven Reservoir, WB03/5/18: Waterworks Outlet Final complies with the SANS 241:2015 microbiological drinking water standard for the tested parameters. The water is bacteriologically suitable for domestic use.

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 241-1
 Edition 2
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