

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: **29-Aug-17**
 Date Analyzed: **29-Aug-17**
 Date Reported: **31-Aug-17**
 Quantity Analyzed: **12** Ref No: **H 1736 - 1749 / 17 B**

LAB NO	SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS				
				≤ 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		YES	NO	A / B		
H 1736	41/8/17	Leeuwspruit Before Sewerworks		x		B	517	
H 1737	43/8/17	Leeuwspruit After Sewerworks		x		B	>2420	
				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:



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

SANS
 241-1
 Edition 2
 2015

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					≤ 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	
	WB	WATERVALBOVEN	YES	NO		A / B			
H 1738	22/8/17	Boven Waterworks Final	x		Nil	B	Nil	Nil	41
H 1739	23/8/17	Boven Reservoir	x		Nil	B	Nil	Nil	32
H 1740	24/8/17	Stand P 118	x		Nil	B	Nil	Nil	12
H 1741	25/8/17	Khayalami Service Centre	x		Nil	B	Nil	Nil	11
H 1742	26/8/17	Vulingcondo Stimulation Centre	x		Nil	B	Nil	Nil	150
H 1743	27/8/17	Mississippi Resturant	x		Nil	B	Nil	Nil	19
H 1744	28/7/17	Technical Workshop	x		Nil	B	Nil	Nil	29
H 1745	29/8/17	Silverdays Old Age Home	x		Nil	B	Nil	Nil	30
					A- SANAS 5221 OR B - COLILERT	SANS 5221	COLILERT	SANS 5221	

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REMARKS:

a.) These samples fulfill the bacteriological criteria as specified by SANS 241 Standard for Human Consumption.



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				≤ 10	Nil	Nil	≤ 1000	
		YES	NO	TOTAL COLIFORM BACTERIA PER / 100ML	A / B	FAECAL COLIFORM PER / 100 ML	ESCHERISCHIA COLIFORM PER 100 ML	HETEROTROPHIC PLATE COUNT PER 1.0 ML
	MH	MACHADODORP						
H 1738	3/8/17			Nil	B	Nil	Nil	12
H 1739	45/8/17			-	B	>1000	-	-
				A- SANAS 5221 OR B - COLILERT		SANS 5221	COLILERT	SANS 5221

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	BF	BELFAST	YES	NO	A / B				
H 1748	8/8/17	Belfast Sewerworks Final	X		-	B	Nil	-	12
H 1749	36/8/17	Belfast Waterworks Final	X		2	B	Nil	Nil	1100
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