



**MICROBIOLOGICAL ANALYSIS
 TEST REPORT**

Sample From: **Hendrina Power Station** **Address:** *Private Bag X 1003 PULLENSHOPE 1096*

Date Received: *24-May-11*

Date Analyzed: *24-May-11*

Date Reported: *26-May-11*

Quantity Analyzed: *5*

STERILIZED BOTTLE		SAMPLE NAME	TOTAL COLIFORM BACTERIA PER / 100ML	FAECAL COLIFORM PER / 100 ML	ESCHERISCHIA COLIFORM PER 100 ML	HETEROTROPHIC PLATE COUNT PER 1.0 ML
YES	NO					
x		Lab	Nil	-	Nil	Nil
x		Optimum	Nil	-	Nil	Nil
x		Pump Station	Nil	-	Nil	3
x		Waterplant Tap	Nil	-	Nil	7
x		Waterplant Raw Water Tap	30	-	3	72
METHOD USED			SANAS 5221 OR COLILERT	SANS 5221	COLILERT	SANS 5221

S.A.N.S. 241 MICROBIOLOGICAL REQUIREMENTS
 Allowable compliance for **DRINKING WATER**

Determinant	Units	Allowable compliance
Escherichia Coliform / or Faecal Coliform bacteria	Count per 100 ml	NIL

Operational water Quality ALERT levels:

Determinant	Units	Alert level
Heterotrophic Plate Count	Count per 1 ml	5000
Total Coliform Bacteria	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.

REMARKS:

SANS
 241
 Edition 6.1
 2006