

**MICROBIOLOGICAL ANALYSIS
 TEST REPORT**

Sample From: Komati Power Station **Address:** Private Bag BLINKPAN
Date Received: 22-Jul-11 2250
Date Analyzed: 22-Jul-11
Date Reported: 23-Jul-11
Quantity Analyzed: 6

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		Blinkpan Club	Nil	-	Nil	3
x		Koorfontein Mine	Nil	-	Nil	3
x		Municipality	Nil	-	Nil	6
x		Police Station	Nil	-	Nil	6
x		Raw Water	>200	-	Nil	132
x		Water Plant	Nil	-	Nil	15
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 species : Waste water or Effluent shall not contain more than 1000 Faecal Coliform per 100 ml.

SANS
 241
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These results relate only to samples tested.
 Opinions and interpretations expressed herein are outside the scope of SANAS accreditation.
REMARKS: