



Midvaal Water Company

Scientific Services

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P.O. Box 31
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Test Report

Submitter: Botha, De Wet & Roodt
P O Box 33
2570 KLERKSDORP

Reference: 20:1253
Date Received: 7/1/2005
2005/07/15 (Bacteriological sample received)

Sample Description: Borehole
Certificate number: 5/5055~R1
Amendment to certificate no 5/5055

Analysis Results

Sample number				5055
Identification on container				Borehole
Determinand	Units	Class II (max. allowable)	Method number	
Electrical conductivity at 25°C	mS/m	>150 - 370	WL 2	10
pH value at 25°C	pH units	4.0 - 10.0	WL 1	7.9
Calcium	mg/l Ca	>150 - 300	ICP 1	9
Chloride	mg/l Cl	>200 - 600	WL 9(WL9A)	1
Fluoride	mg/l F	>1.0 - 1.5	GL 4	0.2
Magnesium	mg/l Mg	>70 - 100	ICP 1	3
Nitrate and nitrite	mg/l N	>10.0 - 20.0	GL 3 (GL5)	<0.5
Potassium	mg/l K	>50 - 100	ICP 1	1
Sodium	mg/l Na	>200 - 400	ICP 1	12
Sulphate	mg/l SO ₄	>400 - 600	WL 10	0.9
Zinc	mg/l Zn	>5.0 - 10.0	ICP 1	<0.01
Cadmium	mg/l Cd	>0.005 - 0.01	ICP 1	0
Copper	mg/l Cu	>1.0 - 2.0	ICP 1	<0.002
Iron	mg/l Fe	>0.20 - 2.0	ICP 1	0.35
Manganese	mg/l Mn	>0.10 - 1.0	ICP 1	0.01
Total Alkalinity	mg/l CaCO ₃		WL8(WL8A)	49
Drinking water specifications: SANS241: 2001		Allowable compliance 95% min.		
Sample number				5318
Heterotrophic plate count	count/ml	100	BL 1	52
Total coliforms	MPN/100 ml	Not detected	BL 5	30
E.coli	MPN/100 ml	Not detected	BL 5	0
Faecal Coliforms	count/100 ml	Not detected	BL 1	0

**Not SANAS accredited

Drinking water specifications: SANS241: 2001

"Tests marked "Not SANAS Accredited" in this report are not included in the SANAS Schedule of Accreditation for this laboratory"

"The Measurements of Uncertainty of the reported results are calculated using 95% Confidence Limits and are available on request."

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Signed: _____
Juanita Erasmus (Laboratory Technician)

Date of issue: 7/7/2005
Date of re-issue: 7/19/2005

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