



GERT SIBANDE DISTRICT MUNICIPALITY

WATER QUALITY LABORATORY

Enquiries : Victoria Tshabalala
 E-mail : Laboratoryservices@gsibande.gov.za
 Int. Ref : LDP0008/2025
 Ext. Ref : 2025/08/12 (231525& 231580)

28 August 2025

Attention: Mr. Shabangu
 Dipaleseng Local Municipality
 Private Bag X1005
 Balfour

EXTERNAL REPORT COMMENT EX AQUATICO LAB : LDP0008/2025.

The following determinands tested on potable water samples for the above mentioned report did not meet the requirements of the south African Drinking Water Standard, SANS241-1 :2015

300086 : Siyethemba Thusong Centre	: HPC
300081 : Nthorwana Reservoirs	: HPC
300080 : Nthorwana Stand 731	: HPC
300079 : Nthorwana Municipal Office	: HPC
300078 : Greylingstad Total Garage	: HPC
300077 : Siyethemba Reservoir	:HPC
300076 : Siyethemba 24 Charls Street	: HPC
300075 : Siyathemba Stand 6311	: HPC



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The following determinands tested on potable water samples for the above mentioned report did not meet the requirements of the south African Drinking Water Standard, SANS241-1 :2015

300074 : Balfour Excel Garage	: HPC
300071 : Balfour Stand 116 New House	: HPC & Total Coliform
300070 : Balfour Disaster Management	: HPC
300338 : Siyethemba Stand 6311	: Turbidity
300337 : Balfour Excel Garage	: Turbidity

Manager: Chemistry

Manager: Microbiology

Yours Sincerely

VM. Tshabalala

HEAD OF SCIENTIFIC SERVICES

Test Report

Page 1 of 3

Client: Gert Sibande District Municipality
Address: Gert Sibande DM, C/O Joubert and Oosthuisen street, Ermelo
Report no: 231525
Project: Dipaleseng Local Municipality

Date of report: 19 August 2025
Date accepted: 14 August 2025
Date completed: 19 August 2025
Date received: 14 August 2025

Lab no:	300086	300085	300084	300083	300082	300081	300080
Date sampled:	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25
Aquatico sampled:	No	No	No	No	No	No	No
Sample type:	Water	Water	Water	Water	Water	Water	Water
Locality description:	Siyathemba Thusong Centre	Grootvlei Mine WWTW Final	Grootvlei Reservoir	Grootvlei Clinic	Grootvlei Municipal Office	Nthorwana Reservoirs	Nthorwana Stand 731
Analyses	Unit	Method					
A AQL E.coli	CFU/100ml	ALM 40	<1	>100000	<1	<1	<1
A AQL Total coliform	CFU/100ml	ALM 40	3	>100000	<1	<1	2
A AQL Heterotrophic plate count	CFU/ml	ALM 45	1972	NR	19	155	240
						2944	5030

A = Accredited N = Not accredited Sub = Sub-contracted NR = Not requested RTF = Results to follow NATD = Not able to determine ATR = Alternative test report ; Results relate only to the items received and tested ; Results reported against the limit of detection; Results marked "Not SANAS Accredited" in this report are not covered by the Scope of Accreditation for this laboratory; Uncertainty of measurement available on request for all methods included in the SANAS Schedule of Accreditation; The report shall not be reproduced except in full without approval of the laboratory

M. Swanepoel
 Technical Signatory

Test Report

Page 2 of 3

Client: Gert Sibande District Municipality
Address: Gert Sibande DM, C/O Joubert and Oosthuisen street, Ermelo
Report no: 231525
Project: Dipaleseng Local Municipality

Date of report: 19 August 2025
Date accepted: 14 August 2025
Date completed: 19 August 2025
Date received: 14 August 2025

Lab no:	300079	300078	300077	300076	300075	300074	300073
Date sampled:	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25
Aquatico sampled:	No	No	No	No	No	No	No
Sample type:	Water	Water	Water	Water	Water	Water	Water

Locality description:	Nthorwana Municipal Office	Greylingstad Total Garage	Siyathemba Reservoir	Siyathemba 24 Charls Street	Siyathemba Stand 6311	Balfour - Excel Garage	Balfour - Fortuna WTW Raw
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Analyses	Unit	Method						
A AQL E.coli	CFU/100ml	ALM 40	<1	<1	<1	<1	<1	10
A AQL Total coliform	CFU/100ml	ALM 40	<1	<1	<1	<1	<1	130
A AQL Heterotrophic plate count	CFU/ml	ALM 45	4832	4536	4389	33000	5128	>50000

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Test Report

Page 3 of 3

Client: Gert Sibande District Municipality
Address: Gert Sibande DM, C/O Joubert and Oosthuisen street, Ermelo
Report no: 231525
Project: Dipaleseng Local Municipality

Date of report: 19 August 2025
Date accepted: 14 August 2025
Date completed: 19 August 2025
Date received: 14 August 2025

Lab no:	300072	300071	300070
Date sampled:	12-Aug-25	12-Aug-25	12-Aug-25
Aquatico sampled:	No	No	No
Sample type:	Water	Water	Water
Locality description:	Balfour - Fortuna WTW Final	Balfour - Stand 116 New House	Balfour - Disaster Management

	Analyses	Unit	Method			
A	AQL E.coli	CFU/100ml	ALM 40	<1	<1	<1
A	AQL Total coliform	CFU/100ml	ALM 40	<1	17	<1
A	AQL Heterotrophic plate count	CFU/ml	ALM 45	5	17440	25000

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Test Report

Page 1 of 3

Client: Gert Sibande District Municipality
Address: Gert Sibande DM, C/O Joubert and Oosthuisen street, Ermelo
Report no: 231580
Project: Dipaleseng Local Municipality

Date of report: 20 August 2025
Date accepted: 15 August 2025
Date completed: 19 August 2025
Date received: 15 August 2025

Lab no:				300349	300348	300347	300346	300345	300344	300343
Date sampled:				12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25
Aquatico sampled:				No	No	No	No	No	No	No
Sample type:				Water	Water	Water	Water	Water	Water	Water
Locality description:				Siyathemba Thusong Centre	Grootvlei Mine WWTW Final	Grootvlei Reservoir	Grootvlei Clinic	Grootvlei Municipal Office	Nthorwana Reservoirs	Nthorwana Stand 731
Analyses	Unit	Method								
A AQL Sulphate (SO ₄)	mg/l	ALM 03	15.6	NR	11.3	9.33	10.9	12.3	15.1	
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.224	<0.194	0.335	0.346	0.355	0.454	0.324	
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.224	<0.194	0.335	0.346	0.355	0.454	0.324	
A AQL Calcium (Ca)	mg/l	ALM 30	10.9	NR	15.4	15.6	15.8	10.2	9.84	
A AQL Magnesium (Mg)	mg/l	ALM 30	9.06	NR	9.12	9.23	9.25	8.29	8.00	
A AQL Sodium (Na)	mg/l	ALM 30	12.9	NR	12.6	12.6	12.7	11.8	11.5	
A AQL Potassium (K)	mg/l	ALM 30	4.34	NR	4.74	4.79	4.78	3.92	3.79	
A AQL Iron (Fe)	mg/l	ALM 31	<0.004	NR	<0.004	<0.004	<0.004	<0.004	<0.004	
A AQL Manganese (Mn)	mg/l	ALM 31	<0.001	NR	<0.001	<0.001	<0.001	<0.001	<0.001	
A AQL Turbidity	NTU	ALM 21	1.03	NR	0.509	0.615	1.12	0.703	3.05	
N AQL Dissolved oxygen (DO)	mg/l	ALM 28	9.07	NR	8.98	8.89	8.62	9.06	9.02	

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Page 2 of 3

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Date of report: 20 August 2025
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Date received: 15 August 2025

Lab no:	300342	300341	300340	300339	300338	300337	300336
Date sampled:	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25	12-Aug-25
Aquatico sampled:	No	No	No	No	No	No	No
Sample type:	Water	Water	Water	Water	Water	Water	Water

Locality description:				Nthorwana Municipal Office	Greylingstad Total Garage	Siyathemba Reservoir	Siyathemba 24 Charls Street	Siyathemba Stand 6311	Balfour - Excel Garage	Balfour - Fortuna WTW Raw
Analyses	Unit	Method								
A AQL Sulphate (SO ₄)	mg/l	ALM 03	14.8	13.4	13.9	13.2	15.4	14.9	16.7	
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.301	0.472	0.293	0.251	0.294	0.306	0.286	
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.301	0.472	0.293	0.251	0.294	0.306	0.286	
A AQL Calcium (Ca)	mg/l	ALM 30	11.1	10.4	10.3	11.4	10.4	11.1	11.0	
A AQL Magnesium (Mg)	mg/l	ALM 30	8.98	8.31	8.58	9.31	8.67	9.09	9.22	
A AQL Sodium (Na)	mg/l	ALM 30	13.0	11.5	12.3	13.1	12.2	12.6	10.3	
A AQL Potassium (K)	mg/l	ALM 30	4.33	3.85	4.09	4.50	4.15	4.38	4.49	
A AQL Iron (Fe)	mg/l	ALM 31	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
A AQL Manganese (Mn)	mg/l	ALM 31	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
A AQL Turbidity	NTU	ALM 21	2.77	0.395	0.629	0.743	12.6	8.48	NR	
N AQL Dissolved oxygen (DO)	mg/l	ALM 28	9.01	9.00	9.01	8.96	8.90	8.85	7.98	

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Page 3 of 3

Client: Gert Sibande District Municipality
Address: Gert Sibande DM, C/O Joubert and Oosthuisen street, Ermelo
Report no: 231580
Project: Dipaleseng Local Municipality

Date of report: 20 August 2025
Date accepted: 15 August 2025
Date completed: 19 August 2025
Date received: 15 August 2025

Lab no:		300335	300334	300333
Date sampled:		12-Aug-25	12-Aug-25	12-Aug-25
Aquatico sampled:		No	No	No
Sample type:		Water	Water	Water
Locality description:		Balfour - Fortuna WTW Final	Balfour - Stand 116 New House	Balfour - Disaster Management
Analyses	Unit	Method		
A AQL Sulphate (SO ₄)	mg/l	ALM 03	14.1	16.4
A AQL Nitrate (NO ₃) as N	mg/l	ALM 06	0.221	0.204
A AQL Total oxidised nitrogen as N	mg/l	ALM 06	0.221	0.204
A AQL Calcium (Ca)	mg/l	ALM 30	10.7	11.0
A AQL Magnesium (Mg)	mg/l	ALM 30	8.89	9.05
A AQL Sodium (Na)	mg/l	ALM 30	18.4	12.4
A AQL Potassium (K)	mg/l	ALM 30	4.29	4.33
A AQL Iron (Fe)	mg/l	ALM 31	<0.004	<0.004
A AQL Manganese (Mn)	mg/l	ALM 31	<0.001	<0.001
A AQL Turbidity	NTU	ALM 21	0.468	0.980
N AQL Dissolved oxygen (DO)	mg/l	ALM 28	8.72	8.98

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