



GERT SIBANDE DISTRICT MUNICIPALITY

WATER QUALITY LABORATORY

Enquiries : Victoria Tshabalala
E-mail : Laboratoryservices@gsibande.gov.za
Int. Ref : LDP0001/2026
Ext. Ref : 2026/01/20

3 February 2026

Attention: Mr. F Shabangu

Dipaleseng Local Municipality
Private Bag X1005
Balfour

INTERNAL REPORT COMMENT: LDP0001/2026.

The following determinand (s) tested on Potable Water Sample(s) for the above mentioned report did not meet the acceptable Limits as per the Drinking Water Standard, SANS 241-1:2015.

WQL26/00201 : Balfour R23 Reservoir	: HPC
WQL26/00203 : Balfour Fortuna Water treatment Plant Final	: Turbidity
WQL26/00207 : Greylingstad Ext 5 Reservoir	: Total Coliform
WQL26/00208 : Greylingstad Reservoir	: HPC & <i>E.coli</i>

Chemistry testing marked with a Hashtag (#) has been sub-contracted to an external Laboratory due to technical challenges experienced internally.

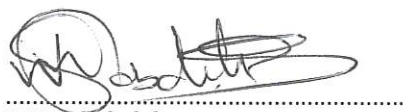


Manager: Chemistry



Manager: Microbiology

Yours sincerely,



VM. Tshabalala

Head of Scientific Service

ANALYTICAL TEST REPORT



Certificate No: LDP0001/2026

Enquiries: Water Quality Laboratory
Email: laboratoryservices@gsibande.gov.za
Tel. No.: 017 801 7143/44/49/50/97
Web: www.gsibande.gov.za

GERT SIBANDE DISTRICT MUNICIPALITY
WATER QUALITY LABORATORY
Cnr N17 Bethal and Nelspan Road
Cassim Park
Ermelo, 2350

Customer Name: Dipaleseng Local Municipality
Customer Code: LDP
Customer Address: Private bag X1005
Balfour 2410
Attention: Mr. Freddy Shabangu
Tel. No.: 017 773 0055 / 0168
Email: shabanguf@dipaleseng.com

No. Of Samples: 8
Sampling Date: 20-Jan-26
Date Received: 20-Jan-26

Analysis Start Date: 20-Jan-26
Analysis End Date: 27-Jan-26

Result Authorized by:

TS: Partial Accreditation Scope

Name

Sign:

Technical Signatory: Chemistry

Date:

TS: Full Accreditation Scope

Name *S. Mkhwaazi*

Sign: *[Signature]*

Technical Signatory: Chemistry

Date: *04/02/2026*

TS: Full Accreditation Scope

Name *M. N. Nkosi*

Sign: *[Signature]*

Technical Signatory: Microbiology

Date: *04/02/2026*

NB: The Authorization by section technical signatory will be left blank if the report does not contain section results.

Disclaimer:

This report may not be reproduced in full, unless approval is given by the Head of Scientific Services.

Unless otherwise indicated, results are generated at the laboratory permanent premises indicated on the address above.

The dollar symbol \$ will be used to indicate testing done outside the laboratory permanent facilities.

Note1: Sampling is outside the laboratory scope of accreditation. Samples are tested as received from customers/ referral service provider

Note1-1: Contracted customers sampling is referred by the laboratory and is done as per method/procedure WQL-QS-QP7.3

Note1-2: Sampling procedure/method is not applicable for samples delivered by customers at the laboratory.

Note2: Results from customer/subcontracted laboratory are not captured on internal report.

#: Subcontracted tests.

NR: Test not requested

RTF: Results to follow

< xx: Result below the detection limit

Red bold: SANS 241:2015 drinking water standards non compliance

¥: Testing Cancelled

> xx: Result above the highest limit

Opinions and interpretations expressed herein are outside the scope of SANAS accreditation

Statements of conformity to specifications are made in this report without taking measurement uncertainty into account except when requested by the customer.

Uncertainty of measurement for the test result shall be provided upon the customer's request.

Chemistry samples will be discarded two weeks after this report has been sent.

Microbiology samples are discarded after analysis, they cannot be retained. The customer will have to submit another sample should re-testing be required.

The information contained in this report is privileged and confidential and intended only for the use of person to which it is addressed. If the reader of this message is not the intended recipient, you are hereby notified that any retention, dissemination, distribution or copying or the taking of action in reliance to the information on this report is strictly prohibited.

TS: Partial accreditation Scope: Chemistry Methods (M01-05 & M07 & M12)

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Analysis Start Date: 20-Jan-26
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Sample No.: WQL26/00201				WQL26/00203	WQL26/00207	WQL26/00208	
Sampling Method				Note1-1	Note1-1	Note1-1	Note1-1
Sample Name:				Balfour R23 Reservoir	Balfour Fortuna Water Treatment Plant Final	Greylingstad Ext 5 Reservoir	Greylingstad Reservoir
Sample Type:				Potable	Potable	potable	potable
Determinand	Units	Limits (SANS 241:2015)	Sample Type: Method No.				
Turbidity	NTU	≤1 Final ≤5 Distribution	WQL-C-M01	1,81	8,81	2,90	2,16
pH		N/A	WQL-C-M05	7,43	7,30	7,20	7,10
Alkalinity	mg/L	≤5 to ≤9.7	WQL-C-M03	66,09	67,39	67,76	69,11
Conductivity	mS/m	≤170	WQL-C-M04	33,11	26,61	26,73	26,58
Temperature*	°C	N/A	WQL-C-M05	23,0	24,9	22,1	22,0
Chloride as Cl	mg/L	≤300	WQL-C-M24	40,79	23,80	22,91	22,49
Fluoride as F*	mg/L	≤1.5	WQL-C-M24	0,402	0,327	0,446	0,236
Nitrate as N*	mg/L	≤11	WQL-C-M23	#	#	#	#
Free Chlorine as Cl ₂ *	mg/L	≤5	WQL-C-M16	0,07	0,02	0,02	0,02
Total Chlorine Cl ₂ *	mg/L	N/A	WQL-C-M16	0,13	0,10	0,04	0,04
Residual Chlorine*	mg/L	N/A	WQL-C-M16	0,06	0,08	0,02	0,02
HPC*	CFU/mL	≤1000	WQL-M-M02	>3000	375	770	320
Total Coliforms*	MPN/100mL	≤10	WQL-M-M03	4	<1	53	62
E. coli *	MPN/100mL	ND	WQL-M-M03	<1	<1	<1	1

Report Comment:

Samples received in an acceptable condition.

Sign:.....
 Technical Signatory: Chemistry

Sign:.....
 Technical Signatory: Chemistry

Sign:.....
 Technical Signatory: Microbiology

Sample No.: WQL26/00202							
Sampling Method				Note1-1			
Sample Name:				Balfour Fortuna Water Treatment Plant Raw			
Sample Type:				Raw			
Determinand	Units	Limits (SANS 241:2015)	Sample Type: Method No.				
pH			WQL-C-M05	7,15			
Alkalinity	mg/L		WQL-C-M03	72,17			
Conductivity	mS/m		WQL-C-M04	23,30			
Temperature*	°C		WQL-C-M05	25,0			
Chloride as Cl	mg/L		WQL-C-M24	13,21			
Fluoride as F*	mg/L		WQL-C-M24	0,256			
Nitrate as N*	mg/L		WQL-C-M23	#			
Orthophosphate as PO ₄ *	mg/L		WQL-C-M21	0,475			
HPC*	CFU/mL		WQL-M-M02	1330			
Total Coliforms*	MPN/100mL		WQL-M-M03	>2420			
E. coli*	MPN/100mL		WQL-M-M03	345			

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Analysis Start Date: 20-Jan-26
 Analysis End Date: 27-Jan-26

		Sample No.:	WQL26/00204	WQL26/00205	WQL26/00206		
		Sampling Method	Note1-1	Note1-1	Note1-1		
		Sample Name:	Grootvlei Mine - Waste Water Treatment Works (WWTW) Raw	Balfour Waste Water treatment Final	Balfour Waste Water treatment Raw		
		Sample Type:	Waste	Waste	Waste		
Determinand	Units	Limits (SANS 241:2015)	Sample Type: Method No.				
pH			WQL-C-M05	6,77	7,58	6,56	
Alkalinity	mg/L		WQL-C-M03	202,70	570,24	471,67	
Conductivity	mS/m		WQL-C-M04	73,48	148,56	132,41	
Temperature*	°C		WQL-C-M05	25,0	21,8	22,1	
Total Suspended Solids	mg/L		WQL-C-M12	175	49,5	710	
Nitrate as N*	mg/L		WQL-C-M23	#	#	#	
Orthophosphate as PO ₄ *	mg/L		WQL-C-M21	6,80	43,74	26,52	
Nitrite as N*	mg/L		WQL-C-M28	<0,049	<0,049	<0,049	
Chemical Oxygen Demand as O ₂	mg/L		WQL-C-M02	354	161	1056	
Free Chlorine as Cl ₂ *	mg/L		WQL-C-M16	NR	0,03	NR	
Total Chlorine Cl ₂ *	mg/L		WQL-C-M16	NR	0,03	NR	
Residual Chlorine*	mg/L		WQL-C-M16	NR	0,00	NR	
Nitrogen Ammonia as N	mg/L		WQL-C-M22	19,96	82,14	54,02	
Total Coliforms*	MPN/100mL		WQL-M-M03	NR	>2420	NR	
E. coli*	MPN/100mL		WQL-M-M03	NR	>2420	NR	

Report Comment:

Samples received in an acceptable condition

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Sign:.....
 Technical Signatory: Chemistry

Sign:.....
 Technical Signatory: Microbiology

Date of Issue

04/02/2026

End Of Report

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