



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.

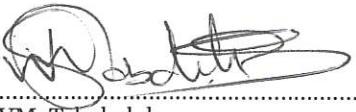
| | |
|---|------------------|
| WQL26/00201 : Balfour R23 Reservoir | : HPC |
| WQL26/00203 : Balfour Fortuna Water treatment Plant Final | : Turbidity |
| WQL26/00207 : Greylingsstad Ext 5 Reservoir | : Total Coliform |
| WQL26/00208 : Greylingsstad Reservoir | : HPC & E.coli |

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

PO Box 1748, Ermelo, 2350 : TEL: 017 801 7144/49 /50/97 : FAX : 017 811 3821



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

TS: Full Accreditation Scope
Name
Sign:
Technical Signatory: Chemistry
Date:
04/02/2026

TS: Full Accreditation Scope
Name
Sign:
Technical Signatory: Microbiology
Date:
04/02/2026

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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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: shabangu@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 |
| Determinand | Units | Limits (SANS 241:2015) | Sample Type: Method No. | WQL26/00201 WQL26/00203 WQL26/00207 WQL26/00208 |
| | | | Note1-1 | Note1-1 Note1-1 Note1-1 |
| | | | Balfour R23 Reservoir | Balfour Fortuna Water Treatment Plant Final |
| | | | Potable | Potable potable potable |
| Turbidity | NTU | ≤1 Final ≤5 Distribution | WQL-C-M01 | 1,81 8,81 2,90 2,16 |
| pH | | ≥5 to ≤9.7 | WQL-C-M05 | 7,43 7,30 7,20 7,10 |
| Alkalinity | mg/L | N/A | 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 |
| <i>E. coli</i> * | MPN/100mL | ND | WQL-M-M03 | <1 <1 <1 1 |

Report Comment:
Samples received in an acceptable condition.

Sign:..... *Worazi* Sign:..... *Worazi* Sign:..... *Mh.*
Technical Signatory: Chemistry Technical Signatory: Chemistry Technical Signatory: Microbiology

| Determinand | Units | Limits (SANS 241:2015) | Sample Type: Method No. | WQL26/00202 WQL26/00204 WQL26/00206 WQL26/00208 |
|-------------------------------------|-----------|------------------------|---|---|
| | | | Note1-1 | Note1-1 Note1-1 Note1-1 |
| | | | Balfour Fortuna Water Treatment Plant Raw | |
| | | | Raw | |
| 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 |
| <i>E. coli</i> * | MPN/100mL | | WQL-M-M03 | 345 |

Report Comment:
Samples received in an acceptable condition

Sign:..... *Worazi* Sign:..... *Worazi* Sign:..... *Mh.*
Technical Signatory: Chemistry Technical Signatory: Chemistry Technical Signatory: Microbiology

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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

| Determinand | Units | Limits (SANS 241:2015) | Sample Type: Method No. | Sample No.: WQL26/00204 | WQL26/00205 | WQL26/00206 | | |
|--|-----------|------------------------|---|-------------------------------------|-----------------------------------|-------------|--|--|
| | | | | 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 | | | |
| 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

| | | |
|--------------------------------|--------------------------------|-----------------------------------|
| Sign:..... | Sign:..... | Sign:..... |
| Technical Signatory: Chemistry | Technical Signatory: Chemistry | Technical Signatory: Microbiology |

Date of Issue

04/02/2026

End Of Report