



# ANALYTICAL TEST REPORT



Certificate No: LAL0018/2023

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

<b>Customer Name:</b> Chief Albert Luthuli Local Municipality <b>Customer Code:</b> LAL <b>Customer Address:</b> Private Bag X719 CAROLINA 1185 <b>Attention:</b> Mr. M Magubane <b>Tel. No.:</b> 017 843 4067 <b>Email:</b> mbuso@albertluthuli.gov.za	<b>No. Of Samples:</b> 20 <b>Sampling Date:</b> 5-Sep-23 <b>Date Received:</b> 5-Sep-23  <b>Analysis Start Date:</b> 5-Sep-23 <b>Analysis End Date:</b> 12-Sep-23
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Determinand	Units	Limits (SANS 241:2015)	Sample Type: Method No.	Sample No.:	Sample Name:	Potable	Potable
				WQL23/02732	WQL23/02733		
				WQL23/02732	Carolina Silobela Cross Roads House 442 Tap		
					Carolina Caropark Tap		
Turbidity	NTU	≤1 Final ≤5 Distribution	WQL-C-M01	2,8	1,8		
pH		≥5 to ≤9.7	WQL-C-M05	7,12	7,35		
Conductivity	mS/m	≤170	WQL-C-M04	41,9	42,1		
Temperature*	°C	N/A	WQL-C-M05	22,7	22,5		
Sulphate as SO <sub>4</sub> *	mg/L	≤250	WQL-C-M24	150	151		
Free Chlorine as Cl <sub>2</sub> *	mg/L	≤5	WQL-C-M16	0,44	0,15		
HPC	CFU/mL	≤1000	WQL-M-M02	305	835		
Total Coliforms	MPN/100mL	≤10	WQL-M-M03	130	>201		
E. Coli	MPN/100mL	ND	WQL-M-M03	15	29		

**Report Comment:**  
 Samples received in an acceptable condition.

Sign: .....  
 Technical Signatory: Chemistry

Sign: .....  
 Technical Signatory: Microbiology

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## ANALYTICAL TEST REPORT



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Determinand	Units	Limits (SANS 241:2015)	Sample No.: Sample Name: Sample Type: Method No.	WQL23/02005	WQL23/02006	WQL23/02007	WQL23/02008	WQL23/02009
				Carolina WTW Raw	Carolina WTW Final	Carolina Municipal Offices Technical	Carolina Clinic	Carolina Siobela Constituency Offices
				Raw	Potable	Potable	Potable	Potable
Turbidity	NTU	≤1 Final ≤5 Distribution	WQL-C-M01	3,6	1,6	8,6	1,3	4,0
pH		≥5 to ≤9,7	WQL-C-M05	7,07	7,29	7,20	7,32	7,31
Conductivity	mS/m	≤170	WQL-C-M04	44,8	45,5	45,3	46,2	45,7
Temperature*	°C	N/A	WQL-C-M05	18,3	19,1	19,4	19,1	19,9
Sulphate as SO <sub>4</sub> *	mg/L	≤250	WQL-C-M24	140	135	137	143	135
TDS*	mg/L	≤1200	WQL-C-M19	242	231	NR	NR	NR
Free Chlorine as Cl <sub>2</sub> *	mg/L	≤5	WQL-C-M16	NR	0,40	0,90	0,30	0,40
HPC	CFU/mL	≤1000	WQL-M-M02	141	725	1675	48	88
Total Coliforms	MPN/100mL	≤10	WQL-M-M03	1733	>201	>201	12	41
E. Coli	MPN/100mL	ND	WQL-M-M03	6	1	2	<1	<1

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 Samples received in an acceptable condition.

Sign: Technical Signatory: Microbiology	Sign: Technical Signatory: Microbiology
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# ANALYTICAL TEST REPORT



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 Ermelo, 2350

Customer Name: Chief Albert Luthuli Local Municipality	No. Of Samples: 23
Customer Code: LAL	Sampling Date: 15-Aug-23
Customer Address: Private Bag X719 CAROLINA 1185	Date Received: 15-Aug-23
Attention: Mr. M Magubane	Analysis Start Date: 15-Aug-23
Tel. No.: 017 843 4067	Analysis End Date: 25-Aug-23
Email: mbuso@albertluthuli.gov.za	

Determinand	Units	Limits (SANS 241:2015)	Sample No.: Sample Name: Sample Type: Method No.	WQL23/02421	WQL23/02422		
				Carolina Silobela Cross Roads House 442 Tap Potable	Carolina Caropark Tap Potable		
Turbidity	NTU	≤1 Final ≤5 Distribution	WQL-C-M01	2,2	1,0		
pH		≥5 to ≤9.7	WQL-C-M05	7,16	7,29		
Conductivity	mS/m	≤170	WQL-C-M04	45,5	45,4		
Temperature*	°C	N/A	WQL-C-M05	21,1	21,1		
Sulphate as SO <sub>4</sub> *	mg/L	≤250	WQL-C-M24	128	127		
Free Chlorine as Cl <sub>2</sub> *	mg/L	≤5	WQL-C-M16	0,08	0,10		
HPC	CFU/mL	≤1000	WQL-M-M02	>3000	590		
Total Coliforms	MPN/100mL	≤10	WQL-M-M03	>201	>201		
E. Coli	MPN/100mL	ND	WQL-M-M03	48	162		

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Sign: .....  
 Technical Signatory: Chemistry

Sign: .....  
 Technical Signatory: Microbiology

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**ANALYTICAL TEST REPORT**



**Certificate No: LAL0013/2023**

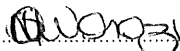
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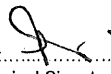
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Determinand	Units	Limits (SANS 241:2015)	Sample Type: Method No.	Sample No.:	WQL23/02010	WQL23/02011			
				Sample Name:	Carolina Silobela Cross Roads House 442 Tap	Carolina Caropark Tap			
				Potable	Potable				
Turbidity	NTU	≤1 Final ≤5 Distribution	WQL-C-M01		1,5	5,0			
pH		≥5 to ≤9,7	WQL-C-M05		7,24	7,41			
Conductivity	mS/m	≤170	WQL-C-M04		45,4	45,9			
Temperature*	°C	N/A	WQL-C-M05		19,3	20,7			
Sulphate as SO <sub>4</sub> *	mg/L	≤250	WQL-C-M24		136	137			
Free Chlorine as Cl <sub>2</sub> *	mg/L	≤5	WQL-C-M16		0,40	0,50			
HPC	CFU/mL	≤1000	WQL-M-M02		119	15			
Total Coliforms	MPN/100mL	≤10	WQL-M-M03		109	5			
E. Coli	MPN/100mL	ND	WQL-M-M03		<1	<1			

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