

Name: Khayakazi Nonkonyana
Tel: 043 702 8209/043 101 0750
Email: khayakazi@elidz.co.za
www.elidz.co.za

Certificate Of Analysis

Report NO: EM-2026-00265	Sample Description: Potable Water
Customer: Makana Municipality	No. of Samples: 02
Address: City Hall 8 High Street Makhanda Makhanda 6139 South Africa	Sample Condition: Cold
Contact: Siphokazi Shicilela Somagu	Sample Identification: James Kleynhans
Phone: 046 603 6068 Fax: 046 6229 488	Date Received: 27-Feb-2026 Test Date: 27-Feb-2026
Order No:	Date Completed: 02-Mar-2026

				SAMPLE IDENTIFICATION	
				EM-2026-00265-01	EM-2026-00265-02
				Raw James Kleynhans	Final James Kleynhans
Analysis	Unit	Method	Lab No Sample ID UoM		
E. coli	MPN/100mL	MM-MIC002	0.067	28	<1
Total Coliforms	MPN/100mL	MM-MIC002	0.075	472	<1

This report relates only to the samples actually supplied to ELIDZ. The operation unit does not accept responsibility for any matters arising from the further use of these results. This certificate shall not be reproduced, except in full, without the written approval of the Laboratory Manager. No reference may be made to the ELIDZ or any of its operation units or officers in advertisements or for sale or publicity purposes without the ELIDZ's prior approval. All work is undertaken according to the ELIDZ general conditions of contract. Samples may be discarded two weeks from the issue date of this certificate so please notify us within this time if you have any comments or queries about this certificate or results.

Remarks: * This is not SANAS accredited and is not included in the SANAS Schedule of accreditation for this laboratory.



Zona Mgolombane - Technical Signatory

Date Printed
02-Mar-2026

Page 1 of 1

Disclaimer:

- Results marked with (*) "Not SANAS Accredited" in this report are not included in the SANAS Scope of Accreditation for this laboratory
- Results marked with (#) in this report are subcontracted analyses to lab T0276 for water and T0760 for food.
- Schedule of Accreditation excludes sampling.
- Uncertainty of Measurement and Method Description will be provided upon request.
- Results are reported at the 95% Confidence Interval with a Coverage Factor K = 2.
- The laboratory does not normally issue any statement of conformity, unless by prior arrangement.
- Decision Rule: Results reflecting on the Certificate of Analysis are actual results as obtained at the time of testing and do not include any uncertainty consideration.
- In the absence of customer specified limits, SANS 241-1:2015 or General Limits will appear, as applicable.
- Opinions and interpretations are not included in the Certificate of Analysis.

A copy of the original of this certificate is available from the ELIDZ on request. This certificate is issued without any alteration or erasure.

Name: Khayakazi Nonkonyana
Tel: 043 702 8209/ 043 101 0750
Email: khayakazi@elidz.co.za
www.elidz.co.za

ELIDZ Environmental Chemistry Laboratory

Certificate Of Analysis

Report NO: EC-2026-00202	Sample Description: Potable Water
Customer: Makana Municipality	No. of Samples: 02
Address: City Hall 8 High Street Makhanda Makhanda 6139 South Africa	Sample Condition: Cold
Contact: Siphokazi Shicilela Somagu	Sample Identification: James Klynhanns WTW
Phone: 046 603 6068 Fax: 046 6229 488	Date Received: 27-Feb-2026 Test Date: 27-Feb-2026
Order No:	Date Completed: 18-Mar-2026

Analysis	Unit	Method	UoM	SAMPLE IDENTIFICATION	
				Lab No Sample ID	EC-2026-00202-01 James Klynhanns WTW Raw
Chloride	mg/L	MM-CHE026	0.039	89.2	91.9
Total Alkalinity	mg/L as CaCO ₃	MM-CHE027	2.41	207	199
Aluminium (dissolved)	µg/l	MM-CHE006	75.7	1851	31.0
Calcium (dissolved)	mg/l as Ca	MM-CHE007	3.43	37.1	36.2
Chlorine (free) *	mg/L	MM-CHE021		0.26	0.06
Electrical conductivity	mS/M	MM-CHE002	3.31	70.2	71.4
Iron (dissolved)	ug/l as Fe	MM-CHE006	0.193	1025	<19.0
Magnesium (dissolved)	mg/l as Mg	MM-CHE007	2.64	23.1	22.4
Manganese	ug/l as Mn	MM-CHE006	0.090	<53.0	<53.0
Turbidity	NTU	MM-CHE008	5.80	61.8	0.29
pH	pH units	MM-CHE005	0.145	8.13	8.20
Sulphate	mg/l as SO ₄	MM-CHE014	0.15	58.5	50.1
Temperature	°C	MM-CHE005		24.3	22.0

This report relates only to the samples actually supplied to ELIDZ. The operation unit does not accept responsibility for any matters arising from the further use of these results. This certificate shall not be reproduced, except in full, without the written approval of the Laboratory Manager. No reference may be made to the ELIDZ or any of its operation units or officers in advertisements or for sale or publicity purposes without the ELIDZ's prior approval. All work is undertaken according to the ELIDZ general conditions of contract. Samples may be discarded two weeks from the issue date of this certificate so please notify us within this time if you have any comments or queries about this certificate or results.

Remarks: * This is not SANAS accredited and is not included in the SANAS Schedule of accreditation for this laboratory.



Timoti Silwani - Technical Signatory

Date Printed
18-Mar-2026

Page 1 of 1

Disclaimer:

- Results marked with (*) "Not SANAS Accredited" in this report are not included in the SANAS Scope of Accreditation for this laboratory
- Results marked with (#) in this report are subcontracted analyses to lab T0276 for water and T0760 for food.
- Schedule of Accreditation excludes sampling.
- Uncertainty of Measurement and Method Description will be provided upon request.
- Results are reported at the 95% Confidence Interval with a Coverage Factor K = 2.
- The laboratory does not normally issue any statement of conformity, unless by prior arrangement.
- Decision Rule: Results reflecting on the Certificate of Analysis are actual results as obtained at the time of testing and do not include any uncertainty consideration.
- In the absence of customer specified limits, SANS 241-1:2025 or General Limits will appear, as applicable.
- Opinions and interpretations are not included in the Certificate of Analysis.

A copy of the original of this certificate is available from the ELIDZ on request. This certificate is issued without any alteration or erasure.

Name: Khayakazi Nonkonyana
Tel: 043 702 8209/043 101 0750
Email: khayakazi@elidz.co.za
www.elidz.co.za

Certificate Of Analysis

Report NO: EM-2026-00267	Sample Description: Potable Water
Customer: Makana Municipality	No. of Samples: 10
Address: City Hall 8 High Street Makhanda Makhanda 6139 South Africa	Sample Condition: Cold
Contact: Siphokazi Shicilela Somagu	Sample Identification: Grahamstown
Phone: 046 603 6068 Fax: 046 6229 488	Date Received: 27-Feb-2026 Test Date: 27-Feb-2026
Order No:	Date Completed: 02-Mar-2026

				SAMPLE IDENTIFICATION			
				EM-2026-00267-01	EM-2026-00267-02	EM-2026-00267-03	EM-2026-00267-04
				Raw Waainek	Final Waainek	Nyaluza High School	Seven Fountain Package Final
Analysis	Unit	Method	UoM				
E. coli	MPN/100mL	MM-MIC002	0.067	291	<1	2420	<1
Total Coliforms	MPN/100mL	MM-MIC002	0.075	365	<1	>2420	<1

This report relates only to the samples actually supplied to ELIDZ. The operation unit does not accept responsibility for any matters arising from the further use of these results. This certificate shall not be reproduced, except in full, without the written approval of the Laboratory Manager. No reference may be made to the ELIDZ or any of its operation units or officers in advertisements or for sale or publicity purposes without the ELIDZ's prior approval. All work is undertaken according to the ELIDZ general conditions of contract. Samples may be discarded two weeks from the issue date of this certificate so please notify us within this time if you have any comments or queries about this certificate or results.

Remarks: * This is not SANAS accredited and is not included in the SANAS Schedule of accreditation for this laboratory.



Zona Mgolombane - Technical Signatory

Date Printed
02-Mar-2026

Page 1 of 3

Disclaimer:

- Results marked with (*) "Not SANAS Accredited" in this report are not included in the SANAS Scope of Accreditation for this laboratory
- Results marked with (#) in this report are subcontracted analyses to lab T0276 for water and T0760 for food.
- Schedule of Accreditation excludes sampling.
- Uncertainty of Measurement and Method Description will be provided upon request.
- Results are reported at the 95% Confidence Interval with a Coverage Factor K = 2.
- The laboratory does not normally issue any statement of conformity, unless by prior arrangement.
- Decision Rule: Results reflecting on the Certificate of Analysis are actual results as obtained at the time of testing and do not include any uncertainty consideration.
- In the absence of customer specified limits, SANS 241-1:2015 or General Limits will appear, as applicable.
- Opinions and interpretations are not included in the Certificate of Analysis.

A copy of the original of this certificate is available from the ELIDZ on request. This certificate is issued without any alteration or erasure.

Name: Khayakazi Nonkonyana
Tel: 043 702 8209/043 101 0750
Email: khayakazi@elidz.co.za
www.elidz.co.za

ELIDZ Environmental Microbiology

Certificate Of Analysis

Report NO: EM-2026-00267	Sample Description: Potable Water
Customer: Makana Municipality	No. of Samples: 10
Address: City Hall 8 High Street Makhanda Makhanda 6139 South Africa	Sample Condition: Cold
Contact: Siphokazi Shicilela Somagu	Sample Identification: Grahamstown
Phone: 046 603 6068 Fax: 046 6229 488	Date Received: 27-Feb-2026 Test Date: 27-Feb-2026
Order No:	Date Completed: 02-Mar-2026

Analysis	Unit	Method	UoM	SAMPLE IDENTIFICATION			
				Lab No Sample ID	EM-2026-00267-05 Blackbeard Street	EM-2026-00267-06 Siyazama Pre School	EM-2026-00267-07 Extension 7 Clinic
E. coli	MPN/100mL	MM-MIC002	0.067	<1	<1	<1	10
Total Coliforms	MPN/100mL	MM-MIC002	0.075	3	1	<1	228

This report relates only to the samples actually supplied to ELIDZ. The operation unit does not accept responsibility for any matters arising from the further use of these results. This certificate shall not be reproduced, except in full, without the written approval of the Laboratory Manager. No reference may be made to the ELIDZ or any of its operation units or officers in advertisements or for sale or publicity purposes without the ELIDZ's prior approval. All work is undertaken according to the ELIDZ general conditions of contract. Samples may be discarded two weeks from the issue date of this certificate so please notify us within this time if you have any comments or queries about this certificate or results.

Remarks: * This is not SANAS accredited and is not included in the SANAS Schedule of accreditation for this laboratory.



Zona Mgolombane - Technical Signatory

Date Printed
02-Mar-2026

Page 2 of 3

Disclaimer:

- Results marked with (*) "Not SANAS Accredited" in this report are not included in the SANAS Scope of Accreditation for this laboratory
- Results marked with (#) in this report are subcontracted analyses to lab T0276 for water and T0760 for food.
- Schedule of Accreditation excludes sampling.
- Uncertainty of Measurement and Method Description will be provided upon request.
- Results are reported at the 95% Confidence Interval with a Coverage Factor K = 2.
- The laboratory does not normally issue any statement of conformity, unless by prior arrangement.
- Decision Rule: Results reflecting on the Certificate of Analysis are actual results as obtained at the time of testing and do not include any uncertainty consideration.
- In the absence of customer specified limits, SANS 241-1:2015 or General Limits will appear, as applicable.
- Opinions and interpretations are not included in the Certificate of Analysis.

A copy of the original of this certificate is available from the ELIDZ on request. This certificate is issued without any alteration or erasure.

Name: Khayakazi Nonkonyana
Tel: 043 702 8209/043 101 0750
Email: khayakazi@elidz.co.za
www.elidz.co.za

Certificate Of Analysis

Report NO: EM-2026-00267	Sample Description: Potable Water
Customer: Makana Municipality	No. of Samples: 10
Address: City Hall 8 High Street Makhanda Makhanda 6139 South Africa	Sample Condition: Cold
Contact: Siphokazi Shicilela Somagu	Sample Identification: Grahamstown
Phone: 046 603 6068 Fax: 046 6229 488	Date Received: 27-Feb-2026 Test Date: 27-Feb-2026
Order No:	Date Completed: 02-Mar-2026

				SAMPLE IDENTIFICATION	
				Lab No	Sample ID
				EM-2026-00267-09	EM-2026-00267-10
				Joza Clinic	Makana Spring
Analysis	Unit	Method	UoM		
E. coli	MPN/100mL	MM-MIC002	0.067	<1	<1
Total Coliforms	MPN/100mL	MM-MIC002	0.075	<1	238

This report relates only to the samples actually supplied to ELIDZ. The operation unit does not accept responsibility for any matters arising from the further use of these results. This certificate shall not be reproduced, except in full, without the written approval of the Laboratory Manager. No reference may be made to the ELIDZ or any of its operation units or officers in advertisements or for sale or publicity purposes without the ELIDZ's prior approval. All work is undertaken according to the ELIDZ general conditions of contract. Samples may be discarded two weeks from the issue date of this certificate so please notify us within this time if you have any comments or queries about this certificate or results.

Remarks: * This is not SANAS accredited and is not included in the SANAS Schedule of accreditation for this laboratory.



Zona Mgolombane - Technical Signatory

Date Printed
02-Mar-2026

Page 3 of 3

Disclaimer:

- Results marked with (*) "Not SANAS Accredited" in this report are not included in the SANAS Scope of Accreditation for this laboratory
- Results marked with (#) in this report are subcontracted analyses to lab T0276 for water and T0760 for food.
- Schedule of Accreditation excludes sampling.
- Uncertainty of Measurement and Method Description will be provided upon request.
- Results are reported at the 95% Confidence Interval with a Coverage Factor K = 2.
- The laboratory does not normally issue any statement of conformity, unless by prior arrangement.
- Decision Rule: Results reflecting on the Certificate of Analysis are actual results as obtained at the time of testing and do not include any uncertainty consideration.
- In the absence of customer specified limits, SANS 241-1:2015 or General Limits will appear, as applicable.
- Opinions and interpretations are not included in the Certificate of Analysis.

A copy of the original of this certificate is available from the ELIDZ on request. This certificate is issued without any alteration or erasure.

Name: Khayakazi Nonkonyana
Tel: 043 702 8209/ 043 101 0750
Email: khayakazi@elidz.co.za
www.elidz.co.za

ELIDZ Environmental Chemistry Laboratory

Certificate Of Analysis

Report NO: EC-2026-00205	Sample Description: Potable Water
Customer: Makana Municipality	No. of Samples: 10
Address: City Hall 8 High Street Makhanda Makhanda 6139 South Africa	Sample Condition: Cold
Contact: Siphokazi Shicilela Somagu	Sample Identification: Grahamstown
Phone: 046 603 6068 Fax: 046 6229 488	Date Received: 27-Feb-2026 Test Date: 27-Feb-2026
Order No:	Date Completed: 18-Mar-2026

Analysis	Unit	Method	UoM	SAMPLE IDENTIFICATION			
				Lab No Sample ID	EC-2026-00205-01 Waainek WTW Raw	EC-2026-00205-02 Waainek WTW Final	EC-2026-00205-03 Extension 7 Clinic
Chloride	mg/L	MM-CHE026	0.039	65.5	71.7	92.1	30.7
Total Alkalinity	mg/L as CaCO ₃	MM-CHE027	2.41	29.4	23.6	196	<7.21
Aluminium (dissolved)	µg/l	MM-CHE006	75.7	699	<9.24	<9.24	105
Calcium (dissolved)	mg/l as Ca	MM-CHE007	3.43	7.82	7.64	35.1	<2.94
Chlorine (free) *	mg/L	MM-CHE021		0.12	0.05	0.06	0.07
Electrical conductivity	mS/M	MM-CHE002	3.31	26.7	28.0	71.7	13.0
Iron (dissolved)	ug/l as Fe	MM-CHE006	0.193	1367	<19.0	<19.0	23.0
Magnesium (dissolved)	mg/l as Mg	MM-CHE007	2.64	6.84	6.87	22.1	2.99
Manganese	ug/l as Mn	MM-CHE006	0.090	<53.0	343	<53.0	<53.0
Turbidity	NTU	MM-CHE008	5.80	21.0	0.32	0.69	1.43
pH	pH units	MM-CHE005	0.145	7.23	7.04	8.17	6.55
Sulphate	mg/l as SO ₄	MM-CHE014	0.15	9.29	9.31	50.3	6.34
Temperature	°C	MM-CHE005		21.2	22.6	23.9	21.3

This report relates only to the samples actually supplied to ELIDZ. The operation unit does not accept responsibility for any matters arising from the further use of these results. This certificate shall not be reproduced, except in full, without the written approval of the Laboratory Manager. No reference may be made to the ELIDZ or any of its operation units or officers in advertisements or for sale or publicity purposes without the ELIDZ's prior approval. All work is undertaken according to the ELIDZ general conditions of contract. Samples may be discarded two weeks from the issue date of this certificate so please notify us within this time if you have any comments or queries about this certificate or results.

Remarks: * This is not SANAS accredited and is not included in the SANAS Schedule of accreditation for this laboratory.



Timoti Silwani - Technical Signatory

Date Printed
18-Mar-2026

Page 1 of 3

Disclaimer:

- Results marked with (*) "Not SANAS Accredited" in this report are not included in the SANAS Scope of Accreditation for this laboratory
- Results marked with (#) in this report are subcontracted analyses to lab T0276 for water and T0760 for food.
- Schedule of Accreditation excludes sampling.
- Uncertainty of Measurement and Method Description will be provided upon request.
- Results are reported at the 95% Confidence Interval with a Coverage Factor K = 2.
- The laboratory does not normally issue any statement of conformity, unless by prior arrangement.
- Decision Rule: Results reflecting on the Certificate of Analysis are actual results as obtained at the time of testing and do not include any uncertainty consideration.
- In the absence of customer specified limits, SANS 241-1:2025 or General Limits will appear, as applicable.
- Opinions and interpretations are not included in the Certificate of Analysis.

A copy of the original of this certificate is available from the ELIDZ on request. This certificate is issued without any alteration or erasure.

Name: Khayakazi Nonkonyana
Tel: 043 702 8209/ 043 101 0750
Email: khayakazi@elidz.co.za
www.elidz.co.za

ELIDZ Environmental Chemistry Laboratory

Certificate Of Analysis

Report NO: EC-2026-00205	Sample Description: Potable Water
Customer: Makana Municipality	No. of Samples: 10
Address: City Hall 8 High Street Makhanda Makhanda 6139 South Africa	Sample Condition: Cold
Contact: Siphokazi Shicilela Somagu	Sample Identification: Grahamstown
Phone: 046 603 6068 Fax: 046 6229 488	Date Received: 27-Feb-2026 Test Date: 27-Feb-2026
Order No:	Date Completed: 18-Mar-2026

Analysis	Unit	Method	UoM	SAMPLE IDENTIFICATION			
				EC-2026-00205-05 Black beard street	EC-2026-00205-06 Nyaluza High School	EC-2026-00205-07 Siyazama Pre-School	EC-2026-00205-08 Raglan Road Clinic
Chloride	mg/L	MM-CHE026	0.039	91.3	111	93.9	124
Total Alkalinity	mg/L as CaCO ₃	MM-CHE027	2.41	201	223	192	214
Aluminium (dissolved)	µg/l	MM-CHE006	75.7	<9.24	<9.24	<9.24	38.9
Calcium (dissolved)	mg/l as Ca	MM-CHE007	3.43	37.1	37.2	36.0	43.0
Chlorine (free) *	mg/L	MM-CHE021		0.05	0.07	0.08	0.07
Electrical conductivity	mS/M	MM-CHE002	3.31	72.7	83.3	70.6	90.3
Iron (dissolved)	ug/l as Fe	MM-CHE006	0.193	<19.0	<19.0	<19.0	56.0
Magnesium (dissolved)	mg/l as Mg	MM-CHE007	2.64	22.8	25.6	22.0	25.9
Manganese	ug/l as Mn	MM-CHE006	0.090	<53.0	<53.0	<53.0	<53.0
Turbidity	NTU	MM-CHE008	5.80	0.21	0.76	0.42	0.32
pH	pH units	MM-CHE005	0.145	8.25	8.40	8.11	7.83
Sulphate	mg/l as SO ₄	MM-CHE014	0.15	50.5	55.6	48.3	58.9
Temperature	°C	MM-CHE005		23.4	21.7	21.7	22.9

This report relates only to the samples actually supplied to ELIDZ. The operation unit does not accept responsibility for any matters arising from the further use of these results. This certificate shall not be reproduced, except in full, without the written approval of the Laboratory Manager. No reference may be made to the ELIDZ or any of its operation units or officers in advertisements or for sale or publicity purposes without the ELIDZ's prior approval. All work is undertaken according to the ELIDZ general conditions of contract. Samples may be discarded two weeks from the issue date of this certificate so please notify us within this time if you have any comments or queries about this certificate or results.

Remarks: * This is not SANAS accredited and is not included in the SANAS Schedule of accreditation for this laboratory.



Timoti Silwani - Technical Signatory

Date Printed
18-Mar-2026

Page 2 of 3

Disclaimer:

- Results marked with (*) "Not SANAS Accredited" in this report are not included in the SANAS Scope of Accreditation for this laboratory
- Results marked with (#) in this report are subcontracted analyses to lab T0276 for water and T0760 for food.
- Schedule of Accreditation excludes sampling.
- Uncertainty of Measurement and Method Description will be provided upon request.
- Results are reported at the 95% Confidence Interval with a Coverage Factor K = 2.
- The laboratory does not normally issue any statement of conformity, unless by prior arrangement.
- Decision Rule: Results reflecting on the Certificate of Analysis are actual results as obtained at the time of testing and do not include any uncertainty consideration.
- In the absence of customer specified limits, SANS 241-1:2025 or General Limits will appear, as applicable.
- Opinions and interpretations are not included in the Certificate of Analysis.

A copy of the original of this certificate is available from the ELIDZ on request. This certificate is issued without any alteration or erasure.

Name: Khayakazi Nonkonyana
Tel: 043 702 8209/ 043 101 0750
Email: khayakazi@elidz.co.za
www.elidz.co.za

ELIDZ Environmental Chemistry Laboratory

Certificate Of Analysis

Report NO: EC-2026-00205	Sample Description: Potable Water
Customer: Makana Municipality	No. of Samples: 10
Address: City Hall 8 High Street Makhanda Makhanda 6139 South Africa	Sample Condition: Cold
Contact: Siphokazi Shicilela Somagu	Sample Identification: Grahamstown
Phone: 046 603 6068 Fax: 046 6229 488	Date Received: 27-Feb-2026 Test Date: 27-Feb-2026
Order No:	Date Completed: 18-Mar-2026

Analysis	Unit	Method	UoM	SAMPLE IDENTIFICATION	
				Lab No Sample ID	EC-2026-00205-09 Joza Clinic
Chloride	mg/L	MM-CHE026	0.039	80.5	467
Total Alkalinity	mg/L as CaCO ₃	MM-CHE027	2.41	172	134
Aluminium (dissolved)	µg/l	MM-CHE006	75.7	<9.24	32.9
Calcium (dissolved)	mg/l as Ca	MM-CHE007	3.43	30.8	47.3
Chlorine (free) *	mg/L	MM-CHE021		0.05	0.17
Electrical conductivity	mS/M	MM-CHE002	3.31	62.7	184
Iron (dissolved)	ug/l as Fe	MM-CHE006	0.193	35.1	<19.0
Magnesium (dissolved)	mg/l as Mg	MM-CHE007	2.64	19.7	36.2
Manganese	ug/l as Mn	MM-CHE006	0.090	<53.0	<53.0
Turbidity	NTU	MM-CHE008	5.80	0.50	2.69
pH	pH units	MM-CHE005	0.145	8.26	7.93
Sulphate	mg/l as SO ₄	MM-CHE014	0.15	45.4	64.5
Temperature	°C	MM-CHE005		23.0	23.4

This report relates only to the samples actually supplied to ELIDZ. The operation unit does not accept responsibility for any matters arising from the further use of these results. This certificate shall not be reproduced, except in full, without the written approval of the Laboratory Manager. No reference may be made to the ELIDZ or any of its operation units or officers in advertisements or for sale or publicity purposes without the ELIDZ's prior approval. All work is undertaken according to the ELIDZ general conditions of contract. Samples may be discarded two weeks from the issue date of this certificate so please notify us within this time if you have any comments or queries about this certificate or results.

Remarks: * This is not SANAS accredited and is not included in the SANAS Schedule of accreditation for this laboratory.



Timoti Silwani - Technical Signatory

Date Printed
18-Mar-2026

Page 3 of 3

Disclaimer:

- Results marked with (*) "Not SANAS Accredited" in this report are not included in the SANAS Scope of Accreditation for this laboratory
- Results marked with (#) in this report are subcontracted analyses to lab T0276 for water and T0760 for food.
- Schedule of Accreditation excludes sampling.
- Uncertainty of Measurement and Method Description will be provided upon request.
- Results are reported at the 95% Confidence Interval with a Coverage Factor K = 2.
- The laboratory does not normally issue any statement of conformity, unless by prior arrangement.
- Decision Rule: Results reflecting on the Certificate of Analysis are actual results as obtained at the time of testing and do not include any uncertainty consideration.
- In the absence of customer specified limits, SANS 241-1:2025 or General Limits will appear, as applicable.
- Opinions and interpretations are not included in the Certificate of Analysis.

A copy of the original of this certificate is available from the ELIDZ on request. This certificate is issued without any alteration or erasure.

Name: Khayakazi Nonkonyana
Tel: 043 702 8209/043 101 0750
Email: khayakazi@elidz.co.za
www.elidz.co.za

Certificate Of Analysis

Report NO: EM-2026-00268	Sample Description: Potable Water
Customer: Makana Municipality	No. of Samples: 01
Address: City Hall 8 High Street Makhanda Makhanda 6139 South Africa	Sample Condition: Cold
Contact: Siphokazi Shicilela Somagu	Sample Identification: Alicedale
Phone: 046 603 6068 Fax: 046 6229 488	Date Received: 27-Feb-2026 Test Date: 27-Feb-2026
Order No:	Date Completed: 02-Mar-2026

				SAMPLE IDENTIFICATION	
				Lab No	EM-2026-00268-01
				Sample ID	Alicedale Raw
Analysis	Unit	Method	UoM		
E. coli	MPN/100mL	MM-MIC002	0.067	40	
Total Coliforms	MPN/100mL	MM-MIC002	0.075	73	

This report relates only to the samples actually supplied to ELIDZ. The operation unit does not accept responsibility for any matters arising from the further use of these results. This certificate shall not be reproduced, except in full, without the written approval of the Laboratory Manager. No reference may be made to the ELIDZ or any of its operation units or officers in advertisements or for sale or publicity purposes without the ELIDZ's prior approval. All work is undertaken according to the ELIDZ general conditions of contract. Samples may be discarded two weeks from the issue date of this certificate so please notify us within this time if you have any comments or queries about this certificate or results.

Remarks: * This is not SANAS accredited and is not included in the SANAS Schedule of accreditation for this laboratory.

 Zona Mgolombane - Technical Signatory	Date Printed 02-Mar-2026 Page 1 of 1
---	---

Disclaimer:

- Results marked with (*) "Not SANAS Accredited" in this report are not included in the SANAS Scope of Accreditation for this laboratory
- Results marked with (#) in this report are subcontracted analyses to lab T0276 for water and T0760 for food.
- Schedule of Accreditation excludes sampling.
- Uncertainty of Measurement and Method Description will be provided upon request.
- Results are reported at the 95% Confidence Interval with a Coverage Factor K = 2.
- The laboratory does not normally issue any statement of conformity, unless by prior arrangement.
- Decision Rule: Results reflecting on the Certificate of Analysis are actual results as obtained at the time of testing and do not include any uncertainty consideration.
- In the absence of customer specified limits, SANS 241-1:2015 or General Limits will appear, as applicable.
- Opinions and interpretations are not included in the Certificate of Analysis.

A copy of the original of this certificate is available from the ELIDZ on request. This certificate is issued without any alteration or erasure.

Name: Khayakazi Nonkonyana
Tel: 043 702 8209/ 043 101 0750
Email: khayakazi@elidz.co.za
www.elidz.co.za

ELIDZ Environmental Chemistry Laboratory

Certificate Of Analysis

Report NO: EC-2026-00204	Sample Description: Potable Water
Customer: Makana Municipality	No. of Samples: 01
Address: City Hall 8 High Street Makhanda Makhanda 6139 South Africa	Sample Condition: Cold
Contact: Siphokazi Shicilela Somagu	Sample Identification: Alicedale WTW
Phone: 046 603 6068 Fax: 046 6229 488	Date Received: 27-Feb-2026 Test Date: 27-Feb-2026
Order No:	Date Completed: 18-Mar-2026

				SAMPLE IDENTIFICATION	
				Lab No	EC-2026-00204-01
				Sample ID	Alicedale WTW Raw
Analysis	Unit	Method	UoM		
Chloride	mg/L	MM-CHE026	0.039	108	
Total Alkalinity	mg/L as CaCO ₃	MM-CHE027	2.41	124	
Aluminium (dissolved)	µg/l	MM-CHE006	75.7	1320	
Calcium (dissolved)	mg/l as Ca	MM-CHE007	3.43	40.7	
Chlorine (free) *	mg/L	MM-CHE021		0.11	
Electrical conductivity	mS/M	MM-CHE002	3.31	57.2	
Iron (dissolved)	ug/l as Fe	MM-CHE006	0.193	536	
Magnesium (dissolved)	mg/l as Mg	MM-CHE007	2.64	15.2	
Manganese	ug/l as Mn	MM-CHE006	0.090	<53.0	
Turbidity	NTU	MM-CHE008	5.80	26.0	
pH	pH units	MM-CHE005	0.145	7.58	
Sulphate	mg/l as SO ₄	MM-CHE014	0.15	25.8	
Temperature	°C	MM-CHE005		21.2	

This report relates only to the samples actually supplied to ELIDZ. The operation unit does not accept responsibility for any matters arising from the further use of these results. This certificate shall not be reproduced, except in full, without the written approval of the Laboratory Manager. No reference may be made to the ELIDZ or any of its operation units or officers in advertisements or for sale or publicity purposes without the ELIDZ's prior approval. All work is undertaken according to the ELIDZ general conditions of contract. Samples may be discarded two weeks from the issue date of this certificate so please notify us within this time if you have any comments or queries about this certificate or results.

Remarks: * This is not SANAS accredited and is not included in the SANAS Schedule of accreditation for this laboratory.

 Timoti Silwani - Technical Signatory	Date Printed
	18-Mar-2026
	Page 1 of 1

Disclaimer:

- Results marked with (*) "Not SANAS Accredited" in this report are not included in the SANAS Scope of Accreditation for this laboratory
- Results marked with (#) in this report are subcontracted analyses to lab T0276 for water and T0760 for food.
- Schedule of Accreditation excludes sampling.
- Uncertainty of Measurement and Method Description will be provided upon request.
- Results are reported at the 95% Confidence Interval with a Coverage Factor K = 2.
- The laboratory does not normally issue any statement of conformity, unless by prior arrangement.
- Decision Rule: Results reflecting on the Certificate of Analysis are actual results as obtained at the time of testing and do not include any uncertainty consideration.
- In the absence of customer specified limits, SANS 241-1:2025 or General Limits will appear, as applicable.
- Opinions and interpretations are not included in the Certificate of Analysis.

A copy of the original of this certificate is available from the ELIDZ on request. This certificate is issued without any alteration or erasure.

Name: Khayakazi Nonkonyana
Tel: 043 702 8209/043 101 0750
Email: khayakazi@elidz.co.za
www.elidz.co.za

Certificate Of Analysis

Report NO: EM-2026-00266	Sample Description: Potable Water
Customer: Makana Municipality	No. of Samples: 02
Address: City Hall 8 High Street Makhanda Makhanda 6139 South Africa	Sample Condition: Cold
Contact: Siphokazi Shicilela Somagu	Sample Identification: Riebeeck East
Phone: 046 603 6068 Fax: 046 6229 488	Date Received: 27-Feb-2026 Test Date: 27-Feb-2026
Order No:	Date Completed: 02-Mar-2026

				SAMPLE IDENTIFICATION	
				Lab No	EM-2026-00266-01
				Sample ID	EM-2026-00266-02
					Raw Riebeeck East
					Final Riebeeck East
Analysis	Unit	Method	UoM		
E. coli	MPN/100mL	MM-MIC002	0.067	<1	<1
Total Coliforms	MPN/100mL	MM-MIC002	0.075	2	<1

This report relates only to the samples actually supplied to ELIDZ. The operation unit does not accept responsibility for any matters arising from the further use of these results. This certificate shall not be reproduced, except in full, without the written approval of the Laboratory Manager. No reference may be made to the ELIDZ or any of its operation units or officers in advertisements or for sale or publicity purposes without the ELIDZ's prior approval. All work is undertaken according to the ELIDZ general conditions of contract. Samples may be discarded two weeks from the issue date of this certificate so please notify us within this time if you have any comments or queries about this certificate or results.

Remarks: * This is not SANAS accredited and is not included in the SANAS Schedule of accreditation for this laboratory.



Zona Mgolombane - Technical Signatory

Date Printed
02-Mar-2026

Page 1 of 1

Disclaimer:

- Results marked with (*) "Not SANAS Accredited" in this report are not included in the SANAS Scope of Accreditation for this laboratory
- Results marked with (#) in this report are subcontracted analyses to lab T0276 for water and T0760 for food.
- Schedule of Accreditation excludes sampling.
- Uncertainty of Measurement and Method Description will be provided upon request.
- Results are reported at the 95% Confidence Interval with a Coverage Factor K = 2.
- The laboratory does not normally issue any statement of conformity, unless by prior arrangement.
- Decision Rule: Results reflecting on the Certificate of Analysis are actual results as obtained at the time of testing and do not include any uncertainty consideration.
- In the absence of customer specified limits, SANS 241-1:2015 or General Limits will appear, as applicable.
- Opinions and interpretations are not included in the Certificate of Analysis.

A copy of the original of this certificate is available from the ELIDZ on request. This certificate is issued without any alteration or erasure.

Name: Khayakazi Nonkonyana
Tel: 043 702 8209/ 043 101 0750
Email: khayakazi@elidz.co.za
www.elidz.co.za

ELIDZ Environmental Chemistry Laboratory

Certificate Of Analysis

Report NO: EC-2026-00203	Sample Description: Potable Water
Customer: Makana Municipality	No. of Samples: 02
Address: City Hall 8 High Street Makhanda Makhanda 6139 South Africa	Sample Condition: Cold
Contact: Siphokazi Shicilela Somagu	Sample Identification: Riebeek East WTW
Phone: 046 603 6068 Fax: 046 6229 488	Date Received: 27-Feb-2026 Test Date: 27-Feb-2026
Order No:	Date Completed: 18-Mar-2026

Analysis	Unit	Method	UoM	SAMPLE IDENTIFICATION	
				Lab No Sample ID	EC-2026-00203-01 Riebeek East WTW Raw
Chloride	mg/L	MM-CHE026	0.039	150	149
Total Alkalinity	mg/L as CaCO ₃	MM-CHE027	2.41	60.6	72.1
Aluminium (dissolved)	µg/l	MM-CHE006	75.7	<9.24	<9.24
Calcium (dissolved)	mg/l as Ca	MM-CHE007	3.43	14.5	16.9
Chlorine (free) *	mg/L	MM-CHE021		0.11	0.05
Electrical conductivity	mS/M	MM-CHE002	3.31	66.4	68.4
Iron (dissolved)	ug/l as Fe	MM-CHE006	0.193	341	56.1
Magnesium (dissolved)	mg/l as Mg	MM-CHE007	2.64	23.9	22.1
Manganese	ug/l as Mn	MM-CHE006	0.090	695	<53.0
Turbidity	NTU	MM-CHE008	5.80	59.8	0.83
pH	pH units	MM-CHE005	0.145	5.98	7.76
Sulphate	mg/l as SO ₄	MM-CHE014	0.15	43.7	43.8
Temperature	°C	MM-CHE005		21.0	22.8

This report relates only to the samples actually supplied to ELIDZ. The operation unit does not accept responsibility for any matters arising from the further use of these results. This certificate shall not be reproduced, except in full, without the written approval of the Laboratory Manager. No reference may be made to the ELIDZ or any of its operation units or officers in advertisements or for sale or publicity purposes without the ELIDZ's prior approval. All work is undertaken according to the ELIDZ general conditions of contract. Samples may be discarded two weeks from the issue date of this certificate so please notify us within this time if you have any comments or queries about this certificate or results.

Remarks: * This is not SANAS accredited and is not included in the SANAS Schedule of accreditation for this laboratory.



Timoti Silwani - Technical Signatory

Date Printed
18-Mar-2026

Page 1 of 1

Disclaimer:

- Results marked with (*) "Not SANAS Accredited" in this report are not included in the SANAS Scope of Accreditation for this laboratory
- Results marked with (#) in this report are subcontracted analyses to lab T0276 for water and T0760 for food.
- Schedule of Accreditation excludes sampling.
- Uncertainty of Measurement and Method Description will be provided upon request.
- Results are reported at the 95% Confidence Interval with a Coverage Factor K = 2.
- The laboratory does not normally issue any statement of conformity, unless by prior arrangement.
- Decision Rule: Results reflecting on the Certificate of Analysis are actual results as obtained at the time of testing and do not include any uncertainty consideration.
- In the absence of customer specified limits, SANS 241-1:2025 or General Limits will appear, as applicable.
- Opinions and interpretations are not included in the Certificate of Analysis.

A copy of the original of this certificate is available from the ELIDZ on request. This certificate is issued without any alteration or erasure.