

LABORATORY SERVICES DEPARTMENT

Test Report Number: 2022-0362

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CUSTOMER INFORMATION	
Laboratory Customer Code	2092
Name	Noluthando Chonco
Company Name	Alfred Nzo District Municipality
Postal Address	Private Bag X511, Mount Ayliff, 4735
Telephone Number	039 2545071
Email Address	choncon@andm.gov.za
Date Sample/s Taken	22-04-22

LABORATORY TESTING INFORMATION	
Sample Matrix	Water & Wastewater
Sample Condition on Receipt & Handling	13 samples were received in good condition. The samples were logged and submitted immediately to the laboratory for analysis.
Date Sample/s Received	22-04-22
Date Testing Commenced	22-04-22
Date Testing Completed	27-04-22
Test Report Date	27-04-22
Laboratory Manager	Ntsapokazi Deppa
Results Interpretation Explanatory Information	<ol style="list-style-type: none"> These results are subject to change and must not be considered as final, unless this test report is signed by appropriate laboratory technical signatories. Should any results change, you will be informed thereof, before issuing the final test report. Results and or determinands/parameters marked with an asterisk (*) are not SANAS accredited and are not included in the SANAS Schedule of Accreditation for this laboratory. Results pertain to the sample/s as taken by you and in the condition received by this laboratory. All laboratory testing is done at the Head Office laboratory. Any sub-contracted testing will be clearly marked on the test report. Information pertaining to the testing methods, is obtainable from the laboratory. For SANS 241 conformance testing, acid extractable metals are analysed. All other results are reported as total unless indicated otherwise. In assessing the conformity of test results to the specification on the test report, Umgeni Water Laboratory Services shall report test results using the following decision rule: "A binary rule (pass/fail) decision rule using the guard band as per ILAC G8_09_2019; at a 95% Confidence Interval, shall apply to all reported results". Therefore, the probability of reporting a false rejection of a test result against a specification is at <2.5% Confidence Interval. When a statement of conformity is not required, test results are reported as an absolute value. Statement of Conformity of results: Based on the laboratory's decision rule, all results that are depicted in bold font shall be deemed as non-complaint to the defined specification per determinand/parameter, where applicable. Statements 7 and 8 (above) apply to accredited methods results only. Samples are held for 7 working days, where possible, after the provision of results and unless results are queried with a formal request for re-testing, it is implied that all test results are accepted and the sample/s will be discarded. Opinions and Interpretation of results are based on the test results obtained from the sample/s tested and falls outside the scope of accreditation.

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Sample ID			1897443	1897444	1897445	Uncertainty of Measurement (UoM)	SANS 241:2015 Drinking Water Standard Limits Required	SANS 241:2015 Drinking Water Classification
Sample Description			Matatiele WTW	Matatiele Town	Matatiele Hospital			
Method Number	Determinands	Units	Results	Results	Results			
102	Aluminium	µg Al/L	<25.0	<25.0	<25.0	±6.6%	≤300	operational
121	<i>E. coli</i>	MPN/100mL	0	0	0	±14%	not detected (0)	acute health
121	Total Coliforms	MPN/100mL	0	0	0	±14%	≤10	operational

Sample ID			1897446	1897447	1897448	Uncertainty of Measurement (UoM)	SANS 241:2015 Drinking Water Standard Limits Required	SANS 241:2015 Drinking Water Classification
Sample Description			Mafube	Descuur	Cedarvill -e Town			
Method Number	Determinands	Units	Results	Results	Results			
102	Aluminium	µg Al/L	<25.0	36.4	<25.0	±6.6%	≤300	operational
121	<i>E. coli</i>	MPN/100mL	0	0	0	±14%	not detected (0)	acute health
121	Total Coliforms	MPN/100mL	0	0	0	±14%	≤10	operational

Sample ID			1897449	1897450	Uncertainty of Measurement (UoM)	SANS 241:2015 Drinking Water Standard Limits Required	SANS 241:2015 Drinking Water Classification
Sample Description			Belfort WTW	Jabavu			
Method Number	Determinands	Units	Results	Results			
102	Aluminium	µg Al/L	3034	<25.0	±6.6%	≤300	operational
121	<i>E. coli</i>	MPN/100mL	0	0	±14%	not detected (0)	acute health
121	Total Coliforms	MPN/100mL	0	4	±14%	≤10	operational

Sample ID			1897451	1897452	1897453	Uncertainty of Measurement (UoM)	SANS 241:2015 Drinking Water Standard Limits Required	SANS 241:2015 Drinking Water Classification
Sample Description			Matewu	Maluti Town	Nchodu			
Method Number	Determinands	Units	Results	Results	Results			
102	Aluminium	µg Al/L	<25.0	<25.0	<25.0	±6.6%	≤300	operational
121	<i>E. coli</i>	MPN/100mL	0	0	0	±14%	not detected (0)	acute health
121	Total Coliforms	MPN/100mL	0	0	0	±14%	≤10	operational

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Sample ID			1897455	1897454	Uncertainty of Measurement (UoM)
Sample Description			Matatiele WWTW	Cedarville Ponds	
Method Number	Determinands	Units	Results	Results	
121	<i>E. coli</i>	MPN/100mL	>2420	2420	±8%

LABORATORY TECHNICAL SIGNATORY RESPONSIBLE FOR REVIEW AND AUTHORIZATION OF THIS TEST REPORT			
NAME	DESIGNATION	TECHNICAL SIGNATORY FOR METHODS	SIGNATURE
Mr TP Khumalo	Technical Supervisor Chemistry	All Chemistry test methods-excluding soils	
Mrs ZP Sithole	Technical Supervisor Chemistry	1,19,21,30,46,59,69,94,102,154,162,178	
Ms MT Zondi	Technical Supervisor Chemistry	45,151,157,158,168,169,171,177	
Mr S Hadebe	Technical Supervisor Chemistry	164,165,166,167	
Ms P Magebeni	Technical Supervisor Microbiology	80,82,83,85,121,176	
Ms J Moodley	Technician Microbiology	80,176	
Ms S Myeza	Technician Microbiology	85	
Ms K Dlomo	Technical Supervisor Microbiology	121	
Ms ZSN Mhlambi	Scientist Hydrobiology	77,78,103,104,105	
Ms P Ndlovu	Technical Supervisor Hydrobiology	78, 176	
Ms I Dusrath	Technician Hydrobiology	78,103,104,105	
Mr N Jwara	Technician Hydrobiology	78	

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