

LABORATORY SERVICES DEPARTMENT

Test Report Number: 2023-0108

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CUSTOMER INFORMATION	
Laboratory Customer Code	2849
Name	Justin Edward Sadler
Company Name	Sydney 905 Filters (Pty) Ltd
Postal Address	4 Strelitzia Road, Southport, KwaZulu-Natal, 4230
Telephone Number	0729907107
Email Address	justin@safewater4u
Date Sample/s Taken	Various

LABORATORY TESTING INFORMATION	
Sample Matrix	Water
Sample Condition on Receipt & Handling	1 sample was prepared in the laboratory by mixing Duzi River water, sampled from various points on the river, on various sampling days. This sample was then passed through the 5 Sydney 905 filters (labelled J1, J2, R1, R2 and R3). The original sample and the 5 filtrates were logged and submitted immediately to the laboratory for analysis.
Date Sample/s Received	Various
Date Testing Commenced	10-02-23
Date Testing Completed	15-02-23
Test Report Date	15-02-23
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-compliant 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			2014374	Uncertainty of Measurement (UoM)	SANS 241:2015 Drinking Water Standard Limits Required	SANS 241:2015 Drinking Water Classification
Sample Description			Mixed Duzi River Water Sample			
Method Number	Determinands	Units	Results			
121	<i>E. coli</i>	MPN/100mL	10112	±8%	0	acute health
121	Total Coliforms	MPN/100mL	>24196	±6%	≤10	operational

Sample ID			2014375	Uncertainty of Measurement (UoM)	SANS 241:2015 Drinking Water Standard Limits Required	SANS 241:2015 Drinking Water Classification
Sample Description			Mixed Duzi River Water Sample after it was filtered through Sydney 905 Filter labelled J1			
Method Number	Determinands	Units	Results			
121	<i>E. coli</i>	MPN/100mL	0	±8%	0	acute health
121	Total Coliforms	MPN/100mL	0	±6%	≤10	operational

Sample ID			2014376	Uncertainty of Measurement (UoM)	SANS 241:2015 Drinking Water Standard Limits Required	SANS 241:2015 Drinking Water Classification
Sample Description			Mixed Duzi River Water Sample after it was filtered through Sydney 905 Filter labelled J2			
Method Number	Determinands	Units	Results			
121	<i>E. coli</i>	MPN/100mL	0	±8%	0	acute health
121	Total Coliforms	MPN/100mL	0	±6%	≤10	operational

Sample ID			2014377	Uncertainty of Measurement (UoM)	SANS 241:2015 Drinking Water Standard Limits Required	SANS 241:2015 Drinking Water Classification
Sample Description			Mixed Duzi River Water Sample after it was filtered through Sydney 905 Filter labelled R1			
Method Number	Determinands	Units	Results			
121	<i>E. coli</i>	MPN/100mL	0	±8%	0	acute health
121	Total Coliforms	MPN/100mL	0	±6%	≤10	operational

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Sample ID			2014378		Uncertainty of Measurement (UoM)	SANS 241:2015 Drinking Water Standard Limits Required	SANS 241:2015 Drinking Water Classification
Sample Description			Mixed Duzi River Water Sample after it was filtered through Sydney 905 Filter labelled R2				
Method Number	Determinands	Units	Results				
121	<i>E. coli</i>	MPN/100mL	0		±8%	0	acute health
121	Total Coliforms	MPN/100mL	0		±6%	≤10	operational

Sample ID			2014379		Uncertainty of Measurement (UoM)	SANS 241:2015 Drinking Water Standard Limits Required	SANS 241:2015 Drinking Water Classification
Sample Description			Mixed Duzi River Water Sample after it was filtered through Sydney 905 Filter labelled R3				
Method Number	Determinands	Units	Results				
121	<i>E. coli</i>	MPN/100mL	0		±8%	0	acute health
121	Total Coliforms	MPN/100mL	0		±6%	≤10	operational

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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