

CERTIFICATE OF ANALYSES

GENERAL WATER QUALITY PARAMETERS

Date received: 2021-01-05

Project number: 1000

Report number: 97130

Date completed: 2021-01-21

Order number:

Client name: Kusini Water

Address: 35 Manhattan Street, Paulshof,

Telephone: 082 082 0624

Facsimile:

Contact person: Mr. M. Mafuno

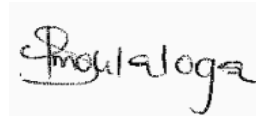
e-mail: murendi@kusiniwater.co.za

Mobile: 082 082 0624

Analyses in mg/ℓ (Unless specified otherwise)	UOM %	Method ID	Risk	SANS 241 : 2015 Limits	Sample Identification	
					Filtered Water	
Sample Number					115728	
Date/Time Sampled					N/A	
pH - Value @ 25 °C	A	7.7	WLAB065	Operational	≥5 to ≤ 9.7	7.8
Electrical Conductivity in mS/m @ 25°C	A	7.0	WLAB002	Aesthetic	≤170	14.7
Total Dissolved Solids @ 180°C	A	5.6	WLAB027	Aesthetic	≤1200	110
Colour in PtCo Units	N	---	WLAB006	Aesthetic	≤15	3
Turbidity in N.T.U	A	7.6	WLAB005	Operational/Aest	≤1 / ≤5	0.2
Total Alkalinity as CaCO ₃	A	10	WLAB007	---	---	60
Langelier Index at 25°C	A	---	WLAB053	---	---	-1.0
Chloride as Cl	A	8.0	WLAB046	Aesthetic	≤300	3
Sulphate as SO ₄	A	8.4	WLAB046	Acute health/Aest	≤500 / ≤250	10
Fluoride as F	A	6.7	WLAB014	Chronic health	≤1.5	<0.2
Nitrate as N	A	4.8	WLAB046	Acute health	≤11	2.0
Nitrite as N	A	3.0	WLAB046	Acute health	≤0.9	<0.05
Combined Nitrate & Nitrite	A	---	WLAB046	Acute health	≤1	0.2
Silica as SiO ₂	N	---	WLAB046	---	---	15.3
Total Organic Carbon as C	N	---	WLAB060	Chronic health	≤10	<1.0
E. coli / (100 ml)	A	5.0	WLAB021	Acute health	Not detected	0
Free and Saline Ammonia as N	A	10	WLAB046	Aesthetic	≤1.5	<0.1
Sodium as Na	A	8.3	WLAB015	Aesthetic	≤200	3
Potassium as K	A	7.9	WLAB015	---	---	<0.5
Calcium as Ca	A	9.5	WLAB015	---	---	7
Magnesium as Mg	A	9.5	WLAB015	---	---	12
Aluminium as Al (µg/l)	A	8.1	WLAB015	Operational	≤300	<100
Antimony as Sb (µg/l)	A	9.4	WLAB050	Chronic health	≤20	1
Arsenic as As (µg/l)	A	9.6	WLAB050	Chronic health	≤10	2
Barium as Ba (µg/l)	A	9.4	WLAB015	Chronic health	≤700	<25
Boron as B (µg/l)	A	9.7	WLAB015	Chronic health	≤2400	<25
Cadmium as Cd (µg/l)	A	8.5	WLAB015	Chronic health	≤3	<1



A. van de Wetering - Chemical Technical Signatory



D.O. Mohlaloga - Microbiological Technical Signatory

A = Accredited N = Not Accredited S = Subcontracted UoM=Uncertainty Of Measurement

Tests marked "Not SANAS Accredited" in this report are not included in the SANAS Schedule of Accreditation for this Laboratory.

Results marked "Subcontracted Test" in this report are not included in the SANAS Schedule of accreditation for this Laboratory.

Sample condition acceptable unless specified on the report.

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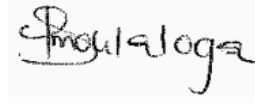
Facsimile:

Contact person: Mr. M. Mafuno
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Mobile: 082 082 0624

Analyses in mg/l (Unless specified otherwise)	UOM %	Method ID	Risk	SANS 241 : 2015 Limits	Sample Identification	
					Filtered Water	
Sample Number					115728	
Date/Time Sampled					N/A	
Total Chromium as Cr (µg/l)	A	7.8	WLAB015	Chronic health	≤50	<25
Copper as Cu (µg/l)	A	7.7	WLAB015	Chronic health	≤2000	<10
Iron as Fe (µg/l)	A	8.1	WLAB015	Chronic health/Aest	≤ 2000 / ≤300	<25
Lead as Pb (µg/l)	A	9.7	WLAB015	Chronic health	≤10	<1
Manganese as Mn (µg/l)	A	8.3	WLAB015	Chronic health/Aest	≤ 400 / ≤100	<25
Mercury as Hg (µg/l)	A	16	WLAB047	Chronic health	≤6	<1
Nickel as Ni (µg/l)	A	7.7	WLAB015	Chronic health	≤70	<25
Selenium as Se (µg/l)	A	9.4	WLAB050	Chronic health	≤40	<1
Uranium as U (µg/l)	A	8.5	WLAB050	Chronic health	≤ 30	<1
Zinc as Zn	A	8.0	WLAB015	Aesthetic	≤5	<0.025
% Balancing	N	---	---	---	---	94.6



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