

KENNISGEWING / NOTICE

Kaap Agulhas Munisipaliteit stel hiermee die publiek in kennis van die waterkwaliteite in alle dorpe binne ons munisipale area.

Die chemiese en mikrobiologiese toetse is deur 'n onafhanklike geakkrediteerde laboratorium gedoen op 30 September 2019. Die aanvaarbare standaard volgens SANS 241 word ook aangedui vir verwysing. Die resultate toon duidelik dat die waterkwaliteit voldoen aan die voorgeskrewe standaard

Die resultate kan by die Kaap Agulhas Munisipale Kantore te Dirkie Uysstraat 1, Bredasdorp besigtig word.

Cape Agulhas Municipality hereby notifies the public of the water quality in all towns within our municipal area.

The chemical and microbiological tests were done by an independent accredited laboratory on 30 September 2019. The SANS 241 standard is also included for reference. The results clearly states that the water quality adheres to the prescribed.

The results may be viewed at the Cape Agulhas Municipal Offices at 1 Dirkie Uys Street, Bredasdorp.

Parameters	Bredasdorp Plant Final Water	Bredasdorp Municipal Stores	Waenhuiskrans Clinic	Struisbaai Municipal Offices	L'Agulhas Municipal Offices	Suiderstrand Rasper Avenue	Elim Dairy	Spanjaardskloof Brikkeles Residence	Napier Municipal Office	Protem Primary School	Klipdale Primary School	Unit	Limit SANS 241: 2015 (Water for Domestic Supplies)
Microbiological Parameters													
Faecal Coliforms	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Cfu's /100 mL	0
Total Coliforms ^b	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Cfu's /100 mL	<10
Physical / Aesthetic Parameters													
Alkalinity – Total as CaCO ₃	10.6	11.6	24.6	213	210	26.8	<10.0	<10.0	44.5	26.1	31.2	mg/L	-
Colour (True)	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	14.0	21.0	<10.0	<10.0	<10.0	Pt-Co-true	<15
Electrical Conductivity @ 25°C	47.7	47.8	59.6	93.0	141	24.5	42.9	47.3	41.1	102	42.8	mS/m	<170
pH @ 25°C ^a	7.46	7.37	6.88	7.83	7.88	7.20	7.24	6.64	7.21	6.95	8.47	pH units	5 – 9.7
Settleable Solids*	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	mg/L	-
Total Dissolved Solids*	334	335	417	651	984	172	300	331	288	715	300	mg/L	<1 200
Turbidity	<0.32	<0.32	0.41	<0.32	<0.32	<0.32	<0.32	2.40	1.43	0.56	0.75	NTU	<5
Chemistry (Macro) Parameters													
Ammonium (NH ₄ -N)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	mg/L	<1.5
Calcium as Ca	8.14	8.45	9.47	88.4	83.8	8.80	2.73	2.38	21.1	11.3	15.6	mg/L	-
Chloride as Cl [*]	125	124	157	160	268	54.6	118	130	94.2	221	105	mg/L	<300
Fluoride as F ^{-*}	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	mg/L	<1.5
Magnesium as Mg	8.22	8.11	3.55	12.1	20.0	1.88	5.60	7.65	5.59	20.0	7.58	mg/L	-
Nitrate as N [*]	2.05	0.28	2.21	0.32	1.55	0.64	0.15	0.20	0.42	<0.3	2.29	mg/L	<11
Potassium as K	3.14	3.13	3.39	3.68	7.60	0.94	2.63	1.08	1.41	4.02	3.38	mg/L	-
Sodium as Na	69.0	68.3	101	90.3	185	33.7	69.1	76.2	48.5	162	49.9	mg/L	<200
Sulphate as SO ₄ ^{2-*}	28.0	27.5	7.98	28.9	52.3	4.96	13.3	13.7	12.5	64.7	15.4	mg/L	<250
Zinc as Zn	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.13	<0.05	mg/L	<5

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Chemistry (Micro) Parameters													
Aluminium as Al	187	168	<50.0	<50.0	<50.0	<50.0	341	108	76.3	<50.0	<50.0	µg/L	<300
Copper as Cu	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	µg/L	<2 000
Iron as Fe	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	µg/L	<300
Manganese as Mn	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	27.7	<10.0	87.0	<10.0	µg/L	<100
Organic Parameters													
Phenols*	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	µg/L	<10
Total Organic Carbon	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	4.56	3.82	<2.00	3.30	<2.00	mg/L	<10
Indexes / Calculations													
Magnesium Hardness as CaCO ₃ *	33.7	33.3	14.6	49.6	82.0	7.71	23.0	31.4	22.9	82.0	31.1	mg/L	-
On-Site													
Free Chlorine*	0.87	0.17	0.06	0.03	0.03	0.26	0.04	0.02	0.03	0.02	0.04	mg/L	<5

The limits for the consumption of water are based on the consumption of 2 litres of water per day by a person of mass 70 kg over a period of 70 years.

The limits given are based on aesthetic aspects.

^a No primary health effect – low pH values can result in structural problems in the distribution system

^b These values can indicate process efficiently and risks associated with pathogens.