

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 7 September 2022. Die aanvaarbare standaard volgens SANS 241 word ook aangedui vir verwysing. Die resultate toon duidelik dat die waterkwaliteit voldoen aan die voorgeskrewe standaarde.

Die resultate kan by die Kaap Agulhas Munisipale Kantore te Dirkie Uysstraat 1, Bredasdorp of by die Kaap Agulhas munisipale webtuiste 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 7 September 2022. The SANS 241 standard is also included for reference. The results clearly states that the water quality adheres to the prescribed standards.

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

Parameters	Bredasdorp Municipal Stores	Waenhuiskrans Clinic	Struisbaai Municipal Offices	L' Agulhas Municipal Offices	Suiderstrand Rasper Avenue	Elim Dairy	Spanjaardskloof Brikkels Residence	Napier Municipal Office	Protem Primary School	Klipdale Primary School	Unit	Limit SANS 241: 2015 (Water for Domestic Supplies)
Microbiological Parameters												
E.Coli (MF)	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
Heterotrophic Plate Count	3	4	1	34	12	Not Detected	212	3	5	5	Cfu's / 1 mL	<1000
Somatic Coliphages	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Count / 10mL	0
Total Coliforms ^b	1	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	8	Not Detected	5	7	Cfu's /100 mL	<10
Physical/Aesthetic Parameters												
Colour (True)	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	13.0	<10.0	<10.0	<10.0	Pt-Co-true	<15
Electrical Conductivity @ 25°C	44.4	85.3	130	144	57.5	38.7	52.1	39.2	67.0	36.8	mS/m	<170
pH @ 25°C	7.52	7.96	7.72	7.88	7.61	6.51	6.89	6.33	6.43	8.86	pH units	5 – 9.7
Total Dissolved Solids @ 105°C (Gravimetric)	196	418	661	721	243	186	259	165	238	194	mg/L	<1 200
Turbidity	0.81	0.56	0.41	<0.30	<0.30	0.57	5.23	1.00	8.25	2.94	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	mg/L	<1.5
Chloride as Cl-	108	216	243	282	133	108	129	98.8	158	89.8	mg/L	<300
Fluoride as F-	0.09	0.05	0.16	0.23	0.14	0.06	0.09	0.16	0.07	0.09	mg/L	<1.5
Monochloramine	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	mg/L	<3
Nitrate as Nitrogen	0.18	5.07	0.77	4.30	1.35	0.29	0.19	0.54	0.65	2.15	mg/L	<11
Nitrite as N	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/L	<0.9
Nitrate/Nitrite (NO ₃ -N/NO ₂ -N)	0	0.450	0.060	0.380	0.110	0.010	0	0.030	0.040	0.180	Cal	<1
Sodium as Na	53.1	126	113	143	66.3	42.8	66.2	41.4	74.7	35.1	mg/L	<200
Sulphate as SO ₄ ²⁻	31.9	7.51	37.6	49.3	9.99	11.7	38.1	11.6	56.4	14.7	mg/L	<250
Zinc as Zn	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.15	0.05	0.21	<0.05	mg/L	<5

<100	Bredasdorp Municipal Stores	Waenhuiskrans Clinic	Struisbaai Municipal Offices	L' Agulhas Municipal Offices	Suiderstrand Rasper Avenue	Elim Dairy	Spanjaardskloof Brikkels Residence	Napier Municipal Office	Protem Primary School	Klipdale Primary School	Unit	Limit SANS 241: 2015 (Water for Domestic Supplies)
Chemistry (Macro) Parameters												
Aluminium as Al	141	26.8	<10.0	14.1	25.4	27.5	<10.0	45.7	62.9	143	µg/L	<300
Antimoy as Sb	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	µg/L	<20
Arsenic as As	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	µg/L	<10
Barium as Ba	53.9	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	µg/L	<700
Boron as B	<100	272	<100	132	137	<100	<100	<100	<100	<100	µg/L	<2 400
Cadmium as Cd	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	µg/L	<3
Chromium as Cr	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	µg/L	<50
Copper as Cu	<20.0	<20.0	<20.0	21.3	<20.0	<20.0	26.9	174	<20.0	<20.0	µg/L	<2 000
Cyanide as CN-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	µg/L	<200
Iron as Fe	<20.0	24.3	<20.0	<20.0	<20.0	46.4	508	<20.0	21.3	<20.0	µg/L	<300
Lead as Pb	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	µg/L	<10
Manganese as Mn	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	59.0	10.5	23.0	<10.0	µg/L	<100
Mercury as Hg	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	µg/L	<6
Nickel as Ni	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	µg/L	<70
Selenium as Se	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	µg/L	<40
Uranium as U	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	µg/L	<30
Organic Paramters (THM's)												
Bromodichloromethane	<20	<20	<20	<20	<20	22	<20	<20	22	25	µg/L	<60
Bromoform	34	<20	<20	<20	<20	33	<20	33	24	27	µg/L	<100
Chloroform	<20	<20	<20	<20	<20	34	<20	<20	<20	<20	µg/L	<300
Dibromochloromethane	28	<20	<20	<20	<20	41	<20	28	35	33	µg/L	<100
Total TMH ratio	0.9	0.2	0.0	0.0	0.1	1.2	0.1	0.8	1.0	1.0		<1
Trihalomethanes as Total THM	<80.0	<80.0	<80.0	<80.0	<80.0	130.0	<80.0	<80.0	81.0	85.0	µg/L	

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Organic Parameters												
Microcystins	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	µg/L	<1
Phenols	<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	2.46	1.56	2.12	1.40	1.24	2.03	3.14	1.74	3.12	2.64	mg/L	<10
On Site												
Free Chlorine	0.03	0.01	0.19	2.20	0.15	0.03	0.04	0.15	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 efficiency and risks associated with pathogens.