

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 8 September 2021. 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 8 September 2021. 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 Plant Final Water	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	Not Detected	Cfu's /100 mL	0
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
Heterotrophic Plate Count	3	5	10	1	4	99	19	910	890	8	4	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	Not Detected	Count / 10mL	0
Total Coliforms ^b	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	3	2	7	Not Detected	Not Detected	Not Detected	Cfu's /100 mL	<10
Physical / Aesthetic Parameters													
Colour (True)	10.0	12.0	<10.0	<10.0	<10.0	<10.0	14.0	12.0	10.0	<10.0	<10.0	Pt-Co-true	<15
Electrical Conductivity @ 25°C	42.3	42.1	34.1	95.1	143	51.2	37.7	72.0	46.7	46.5	12.8	mS/m	<170
pH @ 25°C	6.99	7.33	9.65	7.89	7.89	7.68	6.45	6.99	7.85	6.89	9.51	pH units	5 – 9.7
Total Dissolved Solids*	283	282	228	637	957	343	253	482	313	312	86	mg/L	<1 200
Turbidity	1.33	1.44	0.43	<0.30	<0.30	<0.30	1.71	4.76	0.97	0.61	0.90	NTU	<5
Chemistry (Macro) Parameters													
Ammonium (NH4-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
Chloride as Cl-	105	103	82.1	162	285	124	105	185	98.5	100	19.5	mg/L	<300
Fluoride as F-	0.09	0.06	0.13	0.20	0.20	0.06	0.09	0.10	0.10	0.15	0.11	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	<0.09	mg/L	<3
Nitrate as Nitrogen	0.15	<0.10	2.71	2.39	3.30	1.93	0.82	0.49	0.73	1.83	<0.10	mg/L	<11
Nitrate/Nitrite (No3/No2-N)	0.010	<0	0.240	0.210	0.290	0.170	0.060	0.030	0.060	0.160	0	Cal	<1
Nitrite as N	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/L	<0.9
Sodium as Na	53.2	53.1	48.7	82.9	164	68.9	48.9	111	45.7	52.9	10.0	mg/L	<200
Sulphate as SO4 ²⁻	34.1	34.2	1.83	29.8	51.6	7.94	13.7	44.0	12.5	57.1	11.4	mg/L	<250
Zinc as Zn	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	0.08	<0.05	mg/L	<5

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Chemistry (Micro) Parameters													
Aluminium as Al	275	266	60.6	23.5	25.1	14.9	112	243	58.5	34.7	249	µg/L	<300
Antimony as Sb	<5.00	<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	<3.00	µg/L	<10
Barium as Ba	<50.0	<50.0	<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	<100	319	<100	145	135	<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	<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	<5.00	µg/L	<50
Copper as Cu	<20.0	<20.0	<20.0	<20.0	20.6	<20.0	<20.0	<20.0	22.4	117	<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	<10.0	µg/L	<200
Iron as Fe	34.9	44.1	<20.0	<20.0	<20.0	<20.0	46.1	38.5	<20.0	<20.0	<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	<2.00	µg/L	<2.00
Manganese as Mn	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	17.2	61.9	<10.0	<10.0	<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	<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	<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	<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	<5.00	µg/L	<30
Organic Parameters													
Microcystins	<1	<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	<10.0	µg/L	<10
Total Organic Carbon	3.68	3.53	<0.50	1.21	0.96	<0.50	2.51	6.81	1.32	2.44	1.96	mg/L	<10
Total TMH ratio	0.8	0.7	0.1	0.5	0.2	0.1	0.3	0.2	0.3	1.0	0.5		<1
Trihalomethanes as Total THM	<80.0	<80.0	<80.0	<80.0	<80.0	<80.0	<80.0	<80.0	<80.0	<84.0	<80.0	µg/L	
On Site													
Free Chlorine	1.32	0.04	0.14	0.24	0.21	0.07	0.05	0.03	0.03	0.12	0.04	mg/L	<5

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Total Organic Halides (TOX)													
Bromodichloromethane	28	25	<20	<20	<20	<20	<20	<20	<20	30	<20	µg/L	<60
Bromoform	<20	<20	<20	39	<20	<20	<20	<20	<20	<20	<20	µg/L	<20
Chloroform	23	25	<20	<20	<20	<20	25	<20	<20	21	58	µg/L	<300
Dibromochloromethane	25	<20	<20	<20	<20	<20	<20	<20	<20	33	<20	µg/L	<100

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.