

Site :	Ventersdorp Road Reservoir	Date:	2021-12-10	Status:	Finalized
Ref No:	2021/12/10/51691	Time :	10:00 AM		
Type :	Drinkwater	By :	Albert		

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	1.06	
Ammonia as N	H8038	mg/L	0.05	
Fluoride as F ⁻	H8029	mg/L	0.03	
Nitrate	H8171	mg/L	0.24	
Sulfate as SO ₄	H8051	mg/L	93	
Iron as Fe	H8008	µg/L	30	
Copper as Cu	H8143	µg/L	9	
Chloride as Cl ⁻	SABS 202	mg/L	52	
Ortho Phosphate	H8178	mg/L	0.00	
Calcium as Ca	APHA 306C	mg/L	48.1	
Nitrite		mg/L	< 0.010	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	0	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	0	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25° C	SABS 11:1990	pH units	7.72	
Conductivity at 25° C	SABS 1057	mS/m	63.45	
Turbidity (aesthetic)	SABS 197	NTU	0.240	
Suspended Solids	SABS 1049:1990	mg/L	0.0	
Total Dissolved Solids	SABS 213:1990	mg/L	363	
Colour	H8025	mg/L Pt-Co	15.47	

Site :	Vyfhoek Reservoir	Date:	2021-12-10	Status: Finalized
Ref No:	2021/12/10/51692	Time :	10:00 AM	
Type :	Drinkwater	By :	Albert	

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	0.08	
Ammonia as N	H8038	mg/L	0.02	
Fluoride as F ⁻	H8029	mg/L	0.03	
Nitrate	H8171	mg/L	0.15	
Sulfate as SO ₄	H8051	mg/L	95	
Iron as Fe	H8008	µg/L	20	
Copper as Cu	H8143	µg/L	8	
Chloride as Cl ⁻	SABS 202	mg/L	53	
Ortho Phosphate	H8178	mg/L	0.01	
Calcium as Ca	APHA 306C	mg/L	48.7	
Nitrite		mg/L	< 0.010	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	0	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	2	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25° C	SABS 11:1990	pH units	8.06	
Conductivity at 25° C	SABS 1057	mS/m	63.81	
Turbidity (aesthetic)	SABS 197	NTU	0.450	
Suspended Solids	SABS 1049:1990	mg/L	0.0	
Total Dissolved Solids	SABS 213:1990	mg/L	403	
Colour	H8025	mg/L Pt-Co	20.95	

Site :	Eerste Randjies Reservoir	Date:	2021-12-10	Status:	Finalized
Ref No:	2021/12/10/51693	Time :	10:00 AM		
Type :	Drinkwater	By :	Albert		

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	0.05	
Ammonia as N	H8038	mg/L	0.02	
Fluoride as F ⁻	H8029	mg/L	0.03	
Nitrate	H8171	mg/L	0.18	
Sulfate as SO ₄	H8051	mg/L	95	
Iron as Fe	H8008	µg/L	20	
Copper as Cu	H8143	µg/L	9	
Chloride as Cl ⁻	SABS 202	mg/L	55	
Ortho Phosphate	H8178	mg/L	0.00	
Calcium as Ca	APHA 306C	mg/L	53.0	
Nitrite		mg/L	< 0.010	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	0	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	4	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25° C	SABS 11:1990	pH units	7.87	
Conductivity at 25° C	SABS 1057	mS/m	66.08	
Turbidity (aesthetic)	SABS 197	NTU	0.680	
Suspended Solids	SABS 1049:1990	mg/L	1.2	
Total Dissolved Solids	SABS 213:1990	mg/L	448	
Colour	H8025	mg/L Pt-Co	21.93	

60 Samples