

ANALYSIS REPORT

DRINKING WATER: OUDTSHOORN, DE RUST, DYSELSDORP

Month: March 2013

Determinand	Risk	OUDTSHOORN										DYSELSDORP		DE RUST			SANS 241
		Raw water Raubenheimer Dam	Kango Bergoord	Kerkstraat Reservoir	Nuwe Oos Reservoir	Wesbank Reservoir	Ou Oos Reservoir	Tap at Wastewater Works	Van. Riebeeck Str. 4	Bridgeton Sports Ground	Caves Retirement Village	Tap at Wastewater Works	Municipal Office	Raw Water	Alwyn str. 114 Blomnek	Municipal Office	
pH	Operational	6.86	6.82	6.71	6.68	6.67	6.75	6.73	6.69	6.74	6.7	6.77	7.08	No Sample	7.32	7.04	5.0-9.5
Colour (mg/L Pt-Co)	Aesthetic	58	41	29	50	11	12	11	16	12	12	<5	<5	No Sample	<5	<5	<20
Turbidity (NTU)	Operational Aesthetic	3.23	2.86	1.64	4.47	2.26	1.83	1.02	2.05	1.54	2.68	0.85	0.63	No Sample	1.73	1.47	<1
Calcium (mg/L as CaCO ₃)	Operational					13							35			4	375
Magnesium (mg/L as CaCO ₃)	Operational					4							17			8	290
Total Hardness (mg/L as CaCO ₃)	Operational					17							52			12	-
Conductivity (mS/m)	Aesthetic	10	5	5	6	5	5	5	5	5	5	23	23	No Sample	3	4	<150
Iron (mg/L as Fe)	Chronic Health Aesthetic	0.20	0.13	0.17	0.80	0.15	0.16	0.15	0.16	0.10	0.14	0.03	0.06	No Sample	0.09	0.04	<0.2
Aluminium (mg/L as Al)	Operational			0.045									0.034			0.039	<0.3
Manganese (mg/L as Mn)	Chronic Health Aesthetic					1.0							2.9			0.0	< 0.1
Total chlorine (mg/L)	Chronic Health		0.14	0.06	0.04	0.12	0.07	0.05	0.08	0.08	0.61	0.79	0.32		0.08	0.42	*
Free chlorine (mg/L)	Chronic Health		0.11	0.03	0.00	0.03	0.03	0.02	0.02	0.02	0.51	0.7	0.27		0.02	0.29	*
Totale coliforms (per 100ml)	Operational		20	0	25	4	0	0	0	2	0	0	0		0	0	0
E.Coli (per 100ml)	Health		0	0	0	0	0	0	0	0	0	0	0		0	0	0

Analyses by: Weskaap Laboratorium Dienste SABS Lab Kode. B211 : Z Score 1.71