



WESTERN CAPE LABORATORY SERVICES

WESKAAP LABORATORIUM DIENSTE

RUBY CRESCENT 9

TAMSUI INDUSTRIA

GEORGE

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Certificate of Analysis

	Client	Nautilus Coastal Estate			
	Reference	TJ Peiterse			
	Date of Certificate	18-Mar-24			
	Sample Type	Reservoir/Waterval			
	Parameters	Test Methods	Sample 1	Sample 2	SANS 241 Drinking Water Standard
			Reservoir	Waterval	
*	pH	HANNA HI8424	6.23	7.98	5.0 - 9.5
*	Electrical Conductivity (mS/m)	WTW LF330	39	385	<150
*	Turbidity (NTU)	HACH 2100P	0.63	1.77	< 1.0
*	Colour	HACH Method 8225	14	83	< 20
*	Iron (mg/L as Fe)	HACH Method 8008	0.00	0.12	0.20
*	Aluminium (mg/L as Al)	HACH Method 8012	0.097	0.005	0.30
*	Total Hardness (mg/L as CaCO ₃)	HACH Method 8226	65	479	<500
*	Calcium (mg/L as CaCO ₃)	HACH Method 8222	49	292	<150
*	Calcium as Ca	Calculated	19.6	117	< 150
*	Magnesium (mg/L as MgCO ₃)	HACH Method 8222	16	187	<70
*	Magnesium as Mg	Calculated	4.6	54	< 70
*	Total Dissolved Solids (mg/l)	Calculated	248	2463	< 1200
*	Alkalinity (mg/ L)	Titration	57	177	<500
*	Sulphate Mg/L)	Sulfaver 4 Method 8051	9	87	< 400
*	Manganese (Mn) (mg/ L)	HACH Method 8149 PAN Method	0.012	0.075	0.100
*	Chloride (mg/l)	Method 8225, Silver Nitrate Method, Buret Titration	117	1050	< 300
*	Fluoride (mg/ L)	Hach Method SPADNS Method	0.23	0.04	< 1.0
*	E.Coli Count/100ml)	Membrane filtration	0	0	0

The values in red prevented the water to comply with the SANS 241 Drinking Water Standards.

Instrument calibration are done daily with appropriate standards

Laboratory Chemical Analysis Code: Western Cape Laboratory Services SABS Lab Code: B211

Instrument Calibration: Group 1 – 3 / Heavy Metals/Nutrients/Major Constituents

This report relates only to the samples analysed by the consultancy. It does not accept responsibility for any matter arising from further use of these results, other than that recommended in the report.