

CLIENT : Kobus Mulder

PROJECT: Seekoei Estuary, Aston Bay

JOB CARD : TET1681

DATE SAMPLED : 09.11.2022

DATE DELIVERED: 09.11.2022

DATE TESTED: 09.11.2022

DATE COMPLETED: 10.11.2022

DATE REPORTED: 10.11.2022

ATT : Mr K Mulder

SAMPLED BY: Client

SAMPLING PROCEDURE: N/A

LABORATORY ANALYTICAL REPORT

Parameter	Units	Method Reference / Method No	Limits SANS 241:2015	SANS 241 RISK CLASS	Sample No:	Sample No:	Sample No:	Sample No:
					WL6348	WL6349	WL6350	WL6351
					Sample ID:	Sample ID:	Sample ID:	Sample ID:
					Seekoei Estary LHS of Course 5	Seekoei Estary LHS of Course 6	Seekoei Estary RHS of Course 7	Seekoei Estary RHS of Course 8
Electrical Conductivity	mS/m	SANS 7888	≤ 170	Aesthetic				
pH @ 25 °C	pH units	SANS 5011:2005	≥ 5 and ≤ 9.7	Operational				
Turbidity	NTU	APHA 2130	Operational ≤ 1 Aesthetic ≤ 5					
Colour *	Pt-Co Units	Hach 8025	≤ 15	Aesthetic				
Sodium *	mg/l Na	SANS 11885	≤ 200	Aesthetic				
Calcium *	mg/l Ca	SANS 11885	n/a	n/a				
Magnesium *	mg/l Mg	SANS 11885	n/a	n/a				
Potassium *	mg/l K	SANS 11885	n/a	n/a				
Iron *	mg/l Fe	SANS 11885	Chronic Health ≤ 2 Aesthetic ≤ 0.3					
Manganese *	mg/l Mn	SANS 11885	Chronic Health ≤ 0.4 Aesthetic ≤ 0.1					
Total Alkalinity	mg/l CaCO ₃	APHA 2023	n/a	n/a				
Chloride	mg/l Cl	APHA 4500-Cl	≤ 300	Aesthetic				
Ammonia as N	mg/l NH ₃ -N	USEPA Method 10031	≤ 1.5	Aesthetic				
Nitrate as N	mg/l NO ₃ -N	USEPA Method 10020	≤ 11	Acute Health				
Nitrite as N *	mg/l NO ₂ -N	Hach 10019	≤ 0.9	Acute Health				
Combined Nitrate plus Nitrite*	Ratio	SANS 5210	≤ 1.0	Acute Health				
Flouride as F	mg/l F ⁻	USEPA Method 10225	≤ 1.5	Chronic Health				
Sulphate as SO ₄ ²⁻	mg/l SO ₄ ²⁻	USEPA Method 8051	Acute Health ≤ 500 Aesthetic ≤ 250					
Total Dissolved Solids	mg/l TDS	SANS 5213	≤ 1200	Aesthetic				
Copper *	mg/l Cu	SANS 11885	≤ 2	Chronic Health				
Zinc *	mg/l Zn	SANS 11885	≤ 5	Aesthetic				
E. coli *	count/100ml	IDEXX	N/D	Acute Health	1733	1	>2420	N/D
Total Coliforms *	count/100ml	IDEXX	≤ 10	Operational	>2420		>2420	
Faecal Coliforms	count/100ml	IDEXX	N/D	Operational		4		2
Total Hardness *	mg equiv. CaCO ₃ /L	APHA 2340-B	n/a	Operational				

Remarks: The above test results are pertinent only to the samples as per conditions received and tested at the laboratory. This report shall not be reproduced, except in full, without the prior consent of Tosca Lab (Pty) Ltd. (s) = Subcontracted test.N/D=Not Detected

Refer to Tosca Lab (Pty) Ltd schedule of accreditation for accredited and non-accredited test.

2. The highlighted result is an interpretation of the direct comparison between the quoted specification and the single test sample result obtained.

3. The results met/not met is based on an approximate of 95% level of confidence with reference to ISO/IEC 98-4

Name: _____



Baxolise Ntsheyyiya

Position: _____

Technical Signatory