

FINAL CERTIFICATE OF ANALYSIS

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| COA N°: | 476291-0 |
| COA Date: | 21/01/2020 |
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| Customer: The Saldanha Bay Water Quality Forum Trust |
| Order N°: |
| Client Reference N°: |
| Project N°: CT 20-001211 |
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| Analysed By Swift Silliker (Pty) Ltd t/a Mériex NutriSciences |
| 7 Warrington Road Claremont 7708 Western Province Phone: +27 21 683 8436 Fax: +27 21 683 4695 |

To The Saldanha Bay Water Quality Forum Trust
 Wilman Lucas
 P.O. Box 446
 Langebaan
 7357
 Western Cape

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|---|
| Received from The Saldanha Bay Water Quality Forum Trust |
| P.O. Box 446 Langebaan 7357 Western Cape |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-001 **Sample N°:** 3,083,300 **Test Date:** 16/01/2020
Category Detail: Water **Sample Condition:** SEALED **Date received:** 16/01/2020
Product Description:** No. 1 Breakwater Saldanha next to mussel rafts

COA Remark:** SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|--|---------------------|-----------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | No Growth | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | No Growth | cfu/100ml | |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-002 **Sample N°:** 3,083,301 **Test Date:** 16/01/2020
Category Detail: Water **Sample Condition:** SEALED **Date received:** 16/01/2020
Product Description:** No. 2 Small craft harbour

COA Remark:** SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 11/11/19

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|--|---------------------|-----------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | No Growth | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | 6 | cfu/100ml | |

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SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-003

Sample N°: 3,083,302

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 3 Government jetty

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|-----------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | No Growth | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | No Growth | cfu/100ml | |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-004

Sample N°: 3,083,303

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 4 Saldanha bay yacht club

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|-----------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | 6 | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | No Growth | cfu/100ml | |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-005

Sample N°: 3,083,304

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 5 Pepper bay- southern seas fishing side

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|---------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | 20 | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | 6 | cfu/100ml | |

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SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-006

Sample N°: 3,083,305

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 6 Pepper bay next to sewerage overflow- outlet

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|-----------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | No Growth | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | No Growth | cfu/100ml | |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-007

Sample N°: 3,083,306

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 7 Hoedjiesbaai

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|---------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | 130 | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | 15 | cfu/100ml | |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-008

Sample N°: 3,083,307

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 8 Saldanha holiday resort

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|---------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | 270 | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | 70 | cfu/100ml | |

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SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-009

Sample N°: 3,083,308

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 9 Bok river at blue water bay

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|---------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | 400 | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | 1 | cfu/100ml | |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-010

Sample N°: 3,083,309

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 10 Portnet -the side facing saldanha

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|-----------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | 20 | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | No Growth | cfu/100ml | |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-011

Sample N°: 3,083,310

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 11 Portnet the side facing Langebaan

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|---------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | 11 | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | 16 | cfu/100ml | |

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SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-012

Sample N°: 3,083,311

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 12 Paraside beach

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|-----------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | No Growth | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | No Growth | cfu/100ml | |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-013

Sample N°: 3,083,312

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 13 Club Mykonos

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|---------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | 18 | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | 30 | cfu/100ml | |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-014

Sample N°: 3,083,313

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 14 Strandloper next to outlet from country club

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|-----------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | No Growth | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | 20 | cfu/100ml | |

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SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-015

Sample N°: 3,083,314

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 15 Langebaan beach houses North street

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|-----------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | No Growth | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | 14 | cfu/100ml | |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-016

Sample N°: 3,083,315

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 16 Pearly's

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|---------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | 7 | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | 8 | cfu/100ml | |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-017

Sample N°: 3,083,317

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 17 Yacht club

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|---------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | 3 | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | 50 | cfu/100ml | |

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SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-018

Sample N°: 3,083,318

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 18 Klein oostewal beach

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|-----------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | No Growth | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | No Growth | cfu/100ml | |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-019

Sample N°: 3,083,320

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 19 Kraalbaai north

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|-----------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | 1 | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | No Growth | cfu/100ml | |

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 20-001211-020

Sample N°: 3,083,321

Test Date: 16/01/2020

Category Detail: Water

Sample Condition: SEALED

Date received: 16/01/2020

Product Description**: No. 20 Kraalbaai south

COA Remark**: SBWQFT seawater samples. High tide; wind 2km/h from south. Date: 16/01/20

ANALYTICAL RESULTS

| Tests | Analysis Start Date | Results | Units | Limits [Target value] |
|---|---------------------|---------|-----------|--------------------------|
| <input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45 | 16/01/2020 | 170 | cfu/100ml | |
| <input checked="" type="checkbox"/> Intestinal Enterococci (Faecal Streptococci) METHOD: SWJM 57 | 16/01/2020 | 1 | cfu/100ml | |

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Results validated on 21/01/2020

Tasmin Wakefield
Technical Signatory Accredited analysis * Non Accredited analysis **NC** Non Conformance ** Customer provided data

TMA = Total Microbial Activity / Total Viable Plate Count.

No growth = Not detected / less than the lower detection limit of the test method, for the specified sample type / volume of sample tested.

Tests marked with a * in this report are not included in the SANAS Schedule of Accreditation for this laboratory T0050.

The test report relates only to specific item submitted for testing. It furnishes or implies no guarantee whatsoever, in respect of a similar item that has not been tested.

** Data provided by the customer.

The test report apply to the sample as received where the laboratory has not been responsible for the sampling stage.

Opinions and interpretations expressed in this report, are not included in the SANAS Schedule of Accreditation for this laboratory T0050.

The test report shall not be reproduced except in full without written approval of Swift Silliker (Pty) Ltd t/a Mérieux NutriSciences.