



Consulting Analytical & Industrial Chemists
 Specialists in Water & Waste Water Treatment
 Telephone (021)448 6340/1
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T0276

No. 1, Vine Park
 Vine Road
 7925
 P.O. Box 483
 WOODSTOCK, CAPE
 7915

Certificate of Analysis

BREEDE-GOURITZ CATCHMENT MANAGEMENT AGENCY

ANALYSES

EIKENHOFF DAM

DATE SAMPLED : 2021/10/07

DATE RECEIVED : 2021/10/11

DATE ANALYSIS

COMMENCED : 2021/10/11

OUR REF. : 2021/10/07/27735

REPORT NO. : 5681

	Sample Number	27735		
Mthd ALA No.	Analyses	Results	General Limit (Full)	% Uncertainty of Measurement
6A	Total Suspended Solids (mg/l)	12	25	18
19	pH (at 25 °C)	6.71	5.5-9.5	1.5
9	Conductivity (mS/m) (at 25 °C)	5.0	70.0 Above Intake - 150 Max	4.5
96	Chloride (mg/l as Cl)	<10.0	N/A	10
7	Total Dissolved Solids (mg/l)	32	N/A	-
3	Ammonia Nitrogen (mg/l as N)	<0.15	6.0	3.8
4A	Nitrate Nitrogen. (mg/l as N)	<0.20	15.0 (sum of NO ₂ & NO ₃ -N)	3.4
99	Nitrite Nitrogen (mg/l as N)	<0.20	15.0 (sum of NO ₂ & NO ₃ -N)	4
2	Chemical Oxygen Demand (mg/l)	30.0	75.0 After Removal of Algae	6.8
10	Ortho Phosphate (mg/l as P)	<0.20	10.0	4

Notes:

1. Test marked with an asterisk (*) on attached Appendix 1 (Doc. 7.8#3) are SANAS Accredited and are included in the SANAS Schedule of Accreditation for this laboratory.
2. Schedule of Accreditation excludes sampling. Where applicable pH and Free & Total Chlorine Residual results are supplied by the sampling officer and will be indicated on the Certificate of Analysis. This is marked as "Field".
3. Sampling plans are as requested by the customer. Sampling is done according to A.L. Abbott and Associates (Pty) Ltd sampling procedures which are available on request.
4. Uncertainty of Measurement and Method Description will be provided upon request.
5. Results are reported at the 95% Confidence Interval with a Coverage Factor K = 2.
6. The laboratory does not normally issue any statement of conformity, unless by prior arrangement.
Decision Rule: Results reflecting on the Certificate of Analysis are actual results as obtained at the time of testing and do not include any uncertainty consideration.
7. The quality and integrity of samples submitted has a direct correlation on the results reported. Results reflected on this report therefore relate only to the sample as received.
8. In the absence of customer specified limits, SANS 241-1:2015 or General Limits will appear, as applicable.
9. This report may not be reproduced, except in full, without the prior written approval of the laboratory.
10. Opinions and interpretations are not included in the Certificate of Analysis.

Sampler : CUSTOMER

This report relates only to the samples tested and is issued subject to the company's standard terms and conditions of business.



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N. VAN BINSBERGEN (Pr.Sci.Nat.)
DIRECTOR
19 October 2021

TO: BOCMA
51 BARING STREET
WORCESTER
6850

Att R. LE ROUX & E. ROSSOUW
Cc: Alveo Water (service@alveowater.co.za)

FINAL CERTIFICATE OF ANALYSIS

COA N°:	621507-0
COA Date:	12/10/2021
Page	1 / 1



Customer: Breede-Gouritz Catchment Management Agency
Order N°:
Client Reference N°:
Project N°: CT 21-039723

Analysed By Swift Silliker (Pty) Ltd t/a Mérieux NutriSciences 7 Warrington Road, Claremont, Western Province, South Africa
Phone: +27216838436 Fax: +27216834695 E-mail: za.customercare@mxns.com

To: Breede-Gouritz Catchment Management Agency - CPT
Elkerine Rossouw
Corner of Mountain Mill and East Lake Roads Worcester
6850
Western Cape

Received from Breede-Gouritz Catchment Management Agency Corner of Mountain Mill and East Lake Roads, Worcester, 6850, Western Cape
E-mail: erossouw@bgcma.co.za

SAMPLE DESCRIPTION

Lab Sample Ref #: CT 21-039723-001 **Sample N°:** 3955417 **Test Date:** 08/10/2021
Category Detail: Water **Sample Condition:** SEALED **Date Received:** 08/10/2021
Product Description:** Eikenhoff Dam
COA Remark:** Consultant: Alveo Water, Project: Groenland Water (GWUA)

ANALYTICAL RESULTS

Tests	Analysis Start Date	Results	Units	Limits [Target value]
<input checked="" type="checkbox"/> Escherichia coli METHOD: SWJM 45	08/10/2021	2	cfu/100ml	

Accredited analysis * Non Accredited analysis NC Non Conformance ** Customer provided data Changed 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 tick in this report are included in the SANAS Schedule of Accreditation for this laboratory T 0050.
 Tests marked with a * in this report are not included in the SANAS Schedule of Accreditation for this laboratory T0050.
 ** Data provided by the customer.
 Tests marked with a plane in this report are Subcontracted Tests and are not included in the SANAS Schedule of Accreditation for this laboratory T0050.
 The test report relates only to the specific item submitted for testing. It furnishes or implies no guarantee whatsoever, in respect of a similar item that has not been tested.
 The test report applies 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.

Results validated on 12/10/2021
 By: Tanya Swanson
 Technical Signatory