

Central Water Laboratory

Final Task Report

Report Reference**WL2026-010189****Date** 2026/06/21**Tel. No.** +27 11 629 5971**Fax. No.**

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Report Title WMC

TEST RESULTS FOR THE ANALYSIS OF WATER SAMPLE

Number of Samples 1**Description of Samples** ACCEPTABLE**Date Registered** 13-April-2026**Date Reported** 21-June-2026**Task Comments:****Approved By :** **Puseletso Kokhutsa****Senior Advisor - TS****011 629 5059****Date :** 21/06/2026

Tests marked "Not SANAS accredited" in this report are not included in the SANAS Schedule of Accreditation for this laboratory.

Opinions and interpretations expressed herein are outside the scope of SANAS accreditation,

PLEASE NOTE: The test results relate only to the specified samples tested as identified in this report.

This test report shall not be reproduced except in full, without written approval of ESKOM holdings (Cleveland) Chemical Technologies.

Eskom Central Water Laboratory Test Results



Laboratory Number T0055

Sample ID 15535443		WMC-2026-04-13/17	WL2026-010189
METRES OUTLET			
Component	Unit	Value	
Aluminium as Al	mg/l	0.021	
Ammonia as N	mg/l	<0.001	
Arsenic as As	µg/l	<6.000	
Barium as Ba	mg/l	0.039	
Boron as B	mg/l	0.010	
Cadmium as Cd	mg/l	<0.005	
Chloride as Cl	mg/l	16.81	
Cyanide as CN	mg/l	<0.025	
Colour	Hazen	7	
Conductivity	µS/cm	278.5	
Cobalt as Co	mg/l	<0.005	
Total Chromium as Cr	mg/l	<0.005	
Chromium as Cr	mg/l	<0.005	
Copper as Cu	mg/l	0.027	
Iron as Fe	mg/l	0.261	
Flouride as F	mg/l	0.16	
Mercury as Hg	µg/l	<5.000	
Molybdenum as Mo	mg/l		
Phosphorus as P	mg/l		
Phosphate as PO4	mg/l		
Silica as SiO2	mg/l		
Antimony as Sb	mg/l	<0.005	
Silicon as Si	mg/l		
Uranium as U	mg/l	<0.005	
Vanadium as V	mg/l		
Manganese as Mn	mg/l	0.005	
Sodium as Na	mg/l	16.36	
Nickel as Ni	mg/l	<0.005	
Nitrite as NO2	mg/l	<0.030	
Nitrate as N	mg/l	0.94	
Lead as Pb	mg/l	<0.010	
Phenol	mg/l	<0.001	
pH @ 25 °C		8.0	
Antimony as Sb	mg/l	<0.005	
Selenium as Se	µg/l	<2.000	
Sulphate as SO4	mg/l	20.46	
TDS	mg/l	138.0	
TOC- SIEVERS M9	mg/l	4.07	

Eskom Central Water Laboratory Test Results



Laboratory Number T0055

Sample ID 15535443	WMC-2026-04-13/17	WL2026-010189
METRES OUTLET		
Component	Unit	Value
Turbidity	NTU	1.8
Uranium	mg/l	
Uranium as U	mg/l	<0.005
Zinc as Zn	mg/l	0.428

The analyses were performed using the following methods:

Aluminium ICP (mg/l)	ESKOM METHOD NO 412	Accredited
Ammonia as N (mg/l) SmartChen	ESKOM METHOD NO 424	Not Accredited
Antimony ICP (mg/l)	ESKOM METHOD NO 417	Not Accredited
Arsenic Hydride (µg/l)	ESKOM METHOD NO 424	Not Accredited
Barium ICP (mg/l)	ESKOM METHOD NO 412	Accredited
Boron ICP (mg/l)	ESKOM METHOD NO 412	Accredited
Cadmium ICP (mg/l)	ESKOM METHOD NO 412	Accredited
Chloride IC (mg/l)	ESKOM METHOD NO 307	Accredited
Chromium ICP (mg/l)	ESKOM METHOD NO 412	Accredited
Cobalt ICP (mg/l)	ESKOM METHOD NO 412	Accredited
Colour	ESKOM METHOD NO 422	Accredited
Conductivity @ 25 °C - 912	ESKOM METHOD NO 302A	Accredited
Copper ICP (mg/l)	ESKOM METHOD NO 412	Accredited
Cyanide as CN (mg/l)	ESKOM METHOD NO 422	Not Accredited
Flouride IC (mg/l)	ESKOM METHOD NO 307	Accredited
Iron ICP (mg/l)	ESKOM METHOD NO 412	Accredited
Lead ICP (mg/l)	ESKOM METHOD NO 412	Accredited
Manganese ICP (mg/l)	ESKOM METHOD NO 412	Accredited
Mercury Hydride (µg/l)	ESKOM METHOD NO 424	Not Accredited
Method 417 Water	ESKOM METHOD NO 417	Not Accredited
Nickel ICP (mg/l)	ESKOM METHOD NO 412	Accredited
Nitrate as N IC (mg/l)	ESKOM METHOD NO 307	Accredited
Nitrite IC (mg/l)	ESKOM METHOD NO 307	Not Accredited
pH @ 25 °C - 905	ESKOM METHOD NO 300	Accredited
Phenols (mg/l)		Not Accredited
Selenium Hydride (µg/l)	ESKOM METHOD NO 424	Not Accredited
Sodium ICP (mg/l)	ESKOM METHOD NO 415	Accredited
Sulphate IC (mg/l)	ESKOM METHOD NO 307	Accredited
TOC on Sievers	ESKOM METHOD NO 423	Accredited
Total Chromium (mg/l)	ESKOM METHOD NO 412	Not Accredited
Total Dissolved Solids @180 °C	ESKOM METHOD NO 419	Not Accredited
Turbidity	ESKOM METHOD NO 418	Not Accredited
Uranium ICP (mg/l)	ESKOM METHOD NO 417	Not Accredited
Zinc ICP (mg/l)	ESKOM METHOD NO 412	Accredited

Eskom Central Water Lab Disclaimer

The acceptance of an item for testing and the issuing of a certificate of analysis/task report is according to the requirements laid down in the Eskom Holdings Ltd – Research, Testing and Development, Quality Assurance Manual based on ISO/IEC 17025 standard.

1. If the final certificate of analysis/task report is published or reproduced by the customer, it shall be reproduced in full.
2. Results as per the certificate of analysis relate only to the item submitted for testing.
3. Every endeavor will be made to ensure that the test is representative and accurately performed. The laboratory shall make an effort to investigate all customer queries and correct any erroneous results which might have been reported to the customer.
An amended report with title 'AMENDED TASK REPORT' will be issued to the customer.
4. Unless otherwise stated, sampling is not carried out by the laboratory.
5. All water samples requiring chemical analysis are preserved according to procedure P511 (The preservation of water samples and how long samples can be kept before testing)
6. Unless otherwise specified, all analyses on water samples give dissolved constituents
7. In the case of any dispute, the data contained in the database and raw data shall be regarded as official data.
8. An approved certificate of analysis/task report, will only be issued to customer/s according to information as per the sample submittal form.
9. A preliminary and/or draft report is not a final certificate of analysis/task report as it has not been approved by the relevant technical signatory.
10. If uncertainty of measurement is not included on the certificate of analysis/task report, it will be made available on request.
11. Where applicable, the statement of conformity to a specification or standard will be stated either as an annexure or in the body of the certificate of analysis/task report, indicating the decision rule applied.
12. The dates of performance of laboratory activity/activities are recorded on the forms or worksheets or raw data sheets for every activity and are readily available on request.
13. A final task report is considered to be signed electronically provided the name and designation of the 'Approver' appears on the report as generated by LIMS based on the unique login credentials of the user.
14. The laboratory is responsible for all information on the certificate of analysis/task report except for that provided by the customer.

End-of- Report