



CERTIFICATE OF ACCREDITATION

This is to certify that

***WATER QUALITY LABORATORY OF
CENTRAL WATER AUTHORITY***

Testing Laboratory No. T017

is accredited by the ***Mauritius Accreditation Service (MAURITAS)***
for the following Testing fields:

CHEMICAL

and

BIOLOGICAL

as per scope of schedule of accreditation

THIS LABORATORY MEETS THE REQUIREMENTS OF ISO/IEC 17025:2017

This accreditation demonstrates technical competency for a defined scope and the operation of a laboratory quality management system and shall remain in force subject to continuing compliance with MAURITAS accreditation criteria, ISO/IEC 17025:2017 and any further requirements specified by MAURITAS

Issue Date: 03 May 2024


Director of MAURITAS

This certificate is valid only when accompanied by its schedule of Accreditation.



Schedule of Accreditation
Laboratory No.: T017
(accredited to ISO/IEC 17025:2017)

Permanent Address of laboratory:

Central Water Authority
Head Office, St Paul
Phoenix

Postal Address:

Central Water Authority
Head Office, St Paul
Phoenix

Tel No.: (230) 601 5000

Fax No.: (230) 686 6264

E-mail: infodesk@cwa.mu

Technical Signatories:

For Chemical:

Mr. Nizam Jeeawody . Mr.
Dharmyashdeo Meetoah

Excluding B8, B9:

Mrs. Jhotee Ramguttee, Mrs. Artee
Paupiah, Mrs. Tejaswatee Devi Balloo,
Ms. Vandana Seeburrun, Ms. Bibi Aisha
Yasmeen Ibrahim, Mrs. Asha Mistry,
Mrs. Sweta Gunga Jhowry, Ms. Keshini
Cuniah

Excluding B9:

Mr. Mohun Ballah

For Biological:

Mrs. Anjeelee Ragoobur, Ms. Cheetra Devi
Emrith

Issue No.: 02


Expiry Date: 02 May 2028

	<i>Items, Materials or Products Tested</i>	<i>Types of tests/Properties Measured Range of Measurement</i>	<i>Specification/Standard methods or techniques used</i>
I.	Chemical		
A.	Water and Effluent	1. pH 2. Conductivity 3. Turbidity 4. Sulphate 5. Chloride 6. Nitrate (as N) 7. Nitrite (as N)	APHA 4500-H ⁺ B, 24 th Ed – Electrometric Method APHA 2510 B, 24 th Ed – Electrometric Method APHA 2130 B, 24 th Ed – Nephelometric Method Hach Method 8051:2019; USEPA Approved APHA 4500-Cl ⁻ B, 24 th Ed – Argentometric Method APHA 4500-NO ₃ ⁻ B, 24 th Ed – UV Spectrophotometric Screening Method Hach Method 8507:2019; USEPA Approved – Diazotization Method

		8. Chemical Oxygen Demand	Hach Method 8000:2021; USEPA Approved – Reactor Digestion
		9. Ammonia (as N)	Hach Method 8155:2015; USEPA Approved – Salicylate Method
		10. Total Reactive Phosphorus (as P)	Hach Method 8048:2018; USEPA Approved:2005; Equivalent to APHA 4500, 24 th Ed – P E
		11. Potassium	APHA 3500-K B, 24 th Ed
B.	Water	1. Apparent Colour	Hach Method 8025:2014; Adapted from APHA, 24 th Ed
		2. Total Dissolved Solids	APHA 2510 B, 24 th Ed – Electrometric Method
		3. Total Hardness (as CaCO ₃)	APHA 2340 C, 24 th Ed – EDTA Titrimetric Method
		4. Calcium Hardness (as CaCO ₃)	APHA 3500-Ca B, 24 th Ed – EDTA Titrimetric Method
		5. Magnesium Hardness	APHA 3500-Mg B, 24 th Ed – By Calculation
		6. Calcium	APHA 3500-Ca B, 24 th Ed – By Calculation
		7. Magnesium	APHA 3500-Mg B, 24 th Ed – By Calculation
		8. Total Organic Carbon	APHA 5310 B, 24 th Ed – High Temperature Combustion Method (Total Organic Carbon Analyzer)
		9. Sodium	ASTM D6919-03:2003 – Ion Chromatography
II.	Biological		
A.	Potable Water	1. Detection and Enumeration of Coliform Organisms and <i>E.coli</i>	APHA Method 9221 B:2023 & APHA Method 9221 F:2023
		2. Enumeration of <i>E.coli</i> and Coliform bacteria – Most Probable Number	ISO 9308-2:2012

Issued by the Mauritius Accreditation Service (MAURITAS)

Date: 24 July 2024



 Director of MAURITAS